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COMMERCIAL FERTILIZERS

By P. L. HIBBARD

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COMMERCIAL FERTILIZERS

BY P. L. HIBBARD

This bulletin comprises the results of the fertilizer inspection work of the California Fertilizer Control for the fiscal year ending June 30, 1917.

PURPOSE AND FUNCTIONS OF THE FERTILIZER CONTROL

The duty of the Fertilizer Control is:

First: To issue certificates of registration to manufacturers and dealers who have complied with the law by filing a sworn statement of composition and sources of the fertilizers they wish to sell.

Second: To analyze these fertilizers as found in the open market and publish the results for the information of the public. If a manufacturer sells fertilizers which are materially below his guarantee in composition or value he is subject to prosecution and fine. By this means it is intended to insure to purchasers that the fertilizers they buy shall be substantially as good as represented.

By a study of the reports of analyses of fertilizers, the consumer should be able to determine whether the materials he buys are sold for a fair price, and whether he obtains fertilizers of the desired composition. In short, the function of the Fertilizer Control is to see that the manufacturer gives the consumer a square deal.

MAINTENANCE OF GUARANTEES

Every manufacturer is required by law to guarantee the percentage of nitrogen, phosphoric acid and potash in the fertilizers he sells. Owing to difficulties of sampling and analysis the law permits a maximum deficiency of 0.25% nitrogen, 1.00% phosphoric acid, 0.50% potash from the figures guaranteed. Greater deficiencies than these are regarded as infractions of the law, and are indicated in the report of analyses in black face type.

Some manufacturers uphold their guarantees better than others. The following table is a condensed report of the deficiencies found in the main table of analyses. It summarizes the work done in this laboratory on each manufacturer's goods. The columns headed *Deficiencies—per cent of possible*, may be used for comparison of the various companies as to probability of meeting their guarantees. The other columns are necessary to show how these figures were obtained. In cases where very few analyses are reported for a manufacturer, the

figures should be taken with caution, as perhaps not properly representative. When several samples of one manufacturer's goods were analyzed the figures may be accepted as probably a fair indication of the reliability of his guarantee.

In general, manufacturers have more than maintained their guarantees, so that an average of all the analyses would show a substantial increase over the amount guaranteed.

This table is a condensed statement of the analytical results on the samples of each company for the fiscal year 1916-17. A manufacturer who maintained his guarantees well last year will probably do the same this year.

MAINTENANCE OF GUARANTEES BY MANUFACTURER

Manufacturer	Number of brands sampled	Number of samples analyzed	Total number of guarantees on samples analyzed	Deficiencies			
				In guarantees		In valuation	
				No.	Per cent of possible	No.	Per cent of possible
Agricultural Chemical Works.....	13	62	128	12	9	3	5
American Agricultural Chemical Co. 7	24	68	0	0	0	0	0
Armour Fertilizer Works.....	14	100	206	25	12	4	4
Rogers Brown & Co.....	5	13	25	9	36	8	62
California Fertilizer Works.....	3	5	8	2	25	2	40
Citrus Fertilizer Co.....	3	10	29	2	7	1	10
Cudahy Packing Co.....	6	29	55	15	27	5	17
Diamond Fertilizer Co.....	1	1	3	0	....	....	....
Fruit Growers Supply Co.....	1	7	14	4	29	1	14
Germain Seed & Plant Co.....	1	1	3	0	....	0	....
General Fertilizer Assn.....	8	14	32	6	19	2	14
Globe Grain & Milling Co.....	11	23	46	3	6	2	9
Hauser Packing Co.....	4	27	53	16	30	11	41
Hawaiian Fertilizer Co.....	1	1	2	1	....	0	....
Mountain Copper Co.....	2	2	4	0	....	0	....
Pacific Bone Coal & Fertilizing Co.....	11	37	66	10	15	3	8
Pacific Guano & Fertilizer Co.....	8	23	51	1	2	0	0
Pacific Reduction Co.....	2	3	9	0	....	....	....
San Antonio Meat Co.....	1	1	2	0	....	....	....
Southern California Fertilizer Co.....	1	14	52	1	2	....	....
Standard Fertilizer Co.....	2	4	7	0	0	0	0
Swift & Co.....	1	1	2	1	....	1	....
Union Superphosphate Co.....	1	1	1	0	....	0	....
Western Fertilizer Co.....	1	1	2	1	....	0	....
Western Meat Co.....	9	70	124	17	14	7	10
Wilson & Co., successors to Pacific Coast Beef & Provision Co.....	1	1	3	1	....	0	....

Owing to the possibility of misunderstanding, the figures for percentage deficiencies are not given in above table in cases where less than four samples were analyzed.

Fertilizers sold on Station analysis, and some others, are not given a valuation in the table of analyses, hence the number of such samples is deducted from the total number analyzed, in computing deficiencies in valuation.

SUMMARY OF DEFICIENCIES

In the analyses of the above samples, the following number of deficiencies greater than those allowed by law occurred :

Available phosphoric acid (total when available is not guaranteed).....	40
Total nitrogen	82
Potash	5
In valuation	50

These deficiencies were found in 126 samples.

MECHANICAL CONDITION OF FERTILIZERS

A good degree of fineness is one of the essential qualities of a good fertilizer. It may be assumed as generally true that the finer the material the higher the availability, hence the consumer should insist on having finely ground fertilizers. Unfortunately, some manufacturers are at times careless in regard to the fineness of their goods. The insistent demand of the consumer is the most effective means of correcting such carelessness.

Besides the low agricultural availability and the difficulty in applying coarse fertilizers, it is almost impossible to obtain adequately representative samples of such goods for analysis. This is a prolific source of dissatisfaction and disagreement between buyers and sellers. During handling and transportation a coarsely ground tankage will separate so that the top of the sack contains the coarser material, high in nitrogen, while the bottom contains the finer parts of bone, high in phosphoric acid. A mixture of coarse bone meal with sulfate of potash will separate into coarse bone at the top and excess of potash at the bottom.

One of the chief reasons for the existence of the fertilizer manufacturer is that he is better prepared than the farmer to grind and mix the goods he sells, and the farmer should insist that he do it well.

CAUTION IN REGARD TO LABELING FERTILIZER PACKAGES

The law expressly states that every package of fertilizer shall be accompanied by a plainly printed label giving the brand name, analysis, and source of the materials in the package. This requirement is

not satisfactorily met by some manufacturers and dealers. Farmers are hereby cautioned that if they buy improperly or inadequately labeled fertilizers or goods not sold by properly registered dealers or their authorized agents they may lose the protection afforded by the Fertilizer Control. Consumers should insist that fertilizer tags show plainly both the percentage and the derivation of each ingredient. A verbal statement given by the selling agent should not be accepted as adequate. The honest manufacturer is willing to guarantee his goods properly, and the farmer will best serve his own interest by dealing with no other.

BRAND NAMES BY THE TON VERSUS POUNDS OF PLANT FOOD

Stocks of German potash salts in this country are now practically exhausted; in consequence very little potash is now being offered in fertilizers. Thus it happens that many brands of complete fertilizers once common are no longer sold, or are offered under some modified name, and carry little or no potash. Accordingly, we find many incomplete mixed fertilizers being sold. In this connection it seems pertinent to caution consumers in regard to brand names, fillers, buying by the ton, etc.

If instead of buying peach, orange, or lawn fertilizer by the ton, the consumer will buy as many pounds of nitrogen or phosphoric acid or potash as he needs or can afford, he will be much more likely to get his money's worth of plant food. On this basis, brand names and fillers have very little importance. Price per ton may be disregarded if price per pound of plant food is right. From this point of view it is seen that low percentages of plant food are nearly always high-priced. Also in buying pounds of plant food instead of tons of fertilizer, the consumer should escape the losses due to overguaranteed goods. During the past season more than the usual proportion of samples analyzed in this laboratory have failed to meet their guarantees. But this causes no loss to the farmer who pays for fertilizer on the unit basis, that is, for pounds of actual plant food delivered.

FERTILIZER VALUATIONS

The calculations of the commercial values of the fertilizers here reported are made on the so-called unit basis. Such calculations consist simply in multiplying the number of per cent of each ingredient by the price per unit and adding the products. The sum thus obtained is the commercial value per ton at the prices used. If it is desired to use such calculation for determining the amount which should be paid for goods, or the rebate to which the buyer is entitled

owing to the goods delivered being below the guaranty, it can only be satisfactorily done if a definite price per unit has been agreed upon between buyer and seller. But for the mere purpose of showing the relative values of goods to guaranties, it is not at all necessary that the prices adopted should be the exact market prices. Thus it is that the Fertilizer Control in attempting to show the relation between values found and values claimed, uses a schedule which is admittedly only an approximate average of market values. Owing to market fluctuations, differences in cost of delivery at different points, and other causes, the obtaining of true average market prices is an impossibility. But if the reader will bear in mind the true purpose of the valuations reported, these will have served their turn and he will not be led to assume that the Experiment Station is dictating the prices at which goods shall be sold. Valuations thus construed should serve two purposes.

(a) To show whether a certain fertilizer is commercially worth its cost.

(b) As a measure for comparing the commercial values of different brands, thus enabling the buyer to select that brand which will give him the greatest value for the money he spends.

NOTE IN REGARD TO SCHEDULE OF VALUES

In view of the recent extraordinary increases in prices of fertilizers and of the chaotic condition of the market, we find it impossible to prepare a schedule of prices by consultation of market reports as heretofore. Inasmuch, however, as such a schedule is necessary for comparative purposes, the following table of values has been prepared, based chiefly on known prices of recent sales in this State. These values are not to be taken as in any way representing actual present market prices, though they may sometimes approximate them. In the table of analyses the column "Value per ton" is given on the basis of station prices.

SCHEDULE OF VALUES FOR 1917-1918

	Per pound	Per unit
Nitrogen from blood.....	\$0.26	\$5.20
Nitrogen from tankage and bone.....	.24	4.80
Nitrogen from sulphate of ammonia.....	.24	4.80
Nitrogen from nitrate of soda.....	.24	4.80
Phosphoric acid, available from rock super.....	.06	1.20
Phosphoric acid, total from bone or tankage.....	.06	1.20
Potash, water soluble.....	.10	2.00

SCOPE OF INSPECTION

During the year 506 samples of fertilizers and fertilizing materials have been received at this laboratory. Of this number five were sent by farmers under the two-dollar fee provision, 203 were taken by inspectors from purchasers' goods upon the request of the purchasers, and 257 were taken by inspectors from goods in the hands of agents and manufacturers. On two samples the analysis as reported was used as a basis of settlement by mutual agreement of buyer and seller.* No guaranty was required or given with goods sold under such agreement. Thirty-one samples of a miscellaneous nature are omitted from the tables.

The following classification may be made of samples reported in this bulletin :

Bat guano	3
Bird guano	1
Blood	59
Bone meal	52
Complete fertilizer	107
Cottonseed meal	2
Garbage tankage	19
Incomplete mixed fertilizer.....	65
Nitrate of lime.....	1
Nitrate of soda.....	11
Sulphate of ammonia.....	10
Superphosphate	9
Tankage	136

REGISTERED MANUFACTURERS AND DEALERS

The following manufacturers and dealers in commercial fertilizers have obtained certificates of registration under the provisions of the California fertilizer law, for the fiscal year beginning July 1, 1916. A list is also given of the brands of fertilizers and fertilizer materials offered for sale by them. According to the sworn returns of dealers registered for the fiscal year ending June 30, 1916, their entire sales in the state amounted to 29,415 tons. Incomplete returns for the year ending June 30, 1917, indicate approximately 36,000 tons.

No dealer or manufacturer, except those who have certificates of registration from the University of California, and their authorized agents, can legally sell fertilizers in this state. No person or company has any right to use any registration number except in connection with the firm name to which the registration certificate of such num-

*Besides these a considerable number of the remaining purchasers' analyses were doubtless used subsequently as a basis of settlement, but without being reported to this office.

ber has been issued; and no person or company to whom a registration number has been assigned has any right to give any other person or company permission to use said registration number; any number so used is a fraud. No agent has any right to use his principal's registration number in connection with his own name.

The total number of brands registered by manufacturers was 270, of which 118 brands, equal to 44 per cent of the total, were found on the market by inspectors and analyzed.

Agricultural Chemical Works, Los Angeles, Cal.

REGISTRATION No. 8

Bat Guano	Nitrate of Soda
Blood	Nursery
Bone Meal	Potash Salts
Brands A, B, C, K	Sulphate of Ammonia
Cottonseed Meal	Superphosphate
Fish Guano	Tankage
Gypsum	Special mixture to order of consumers
Lawn and Rose	

American Agricultural Chemical Co., California Works, Los Angeles, Cal.

REGISTRATION No. 1

Acid Phosphate	Bradley's Special Nursery Stock
Blood	Bradley's Tree and Vine
Bradley's California Vegetable	Fish Meal
Bradley's Hay and Grain No. 1	Nitrate of Soda
Bradley's Hay and Grain No. 2	Raw Mineral Phosphate Rock
Bradley's Lawn	Sulphate of Ammonia
Bradley's Lemon Tree	Sulphate of Potash
Bradley's Nursery Stock	Tankage
Bradley's Orange and Lemon	Special brands to order

Anaheim Beef & Provision Co., Anaheim, Cal.

REGISTRATION No. 88

Blood	Tankage
Bone Meal	

Armour Fertilizer Works, Los Angeles, Cal.

REGISTRATION No. 7

Armour 1916 Fall Brand	Guano
Blood	Lawn and Garden
Bone, Blood and Potash	Lawn Special
Bone Meal	Nitrate of Soda
Cottonseed Meal	Olive Special
Cropmaker	Orange Tree Manure
Flower and Fern	Orange Tree Special
Fruit and Vine	Sheep Manure
Fruit Special	Special 2-17-10

Special 2-20-3	Tankage
Special 3-20-3	Vegetable Grower
Superphosphate	Vegetable Special
Sulphate of Ammonia	Special brands to order of consumers
Sulphate of Potash	

Rogers Brown & Co., Los Angeles, Cal.

REGISTRATION No. 85

Blood	Tankage
Bone Meal	Whale Bone Meal
Fish Meal	Whale Meat and Blood
Salmon Meal	Whale Meat and Bone

California Fertilizer Works, San Francisco, Cal.

REGISTRATION No. 3

Blood	Nitrate of Soda
Bone, Blood Meal	Sulphate of Ammonia
Bone, Blood Superphosphate	Special Nursery Stock
Bone Meal	

Citrus Fertilizer Co., Los Angeles, Cal.

REGISTRATION No. 87

Blood	Guano
Bone Meal	Nitrate of Soda
Doty's Fruiting	Sulphate of Ammonia
Doty's Nursery	Sulphate of Potash
Doty's Special No. 1	Superphosphate
Doty's Special No. 2	Tankage
Fish	Special brands to order

Cudahy Packing Co., Los Angeles, Cal.

REGISTRATION No. 79

Bone Meal	Low Grade Blood
Garden and Truck Grower	Low Grade Tankage A
High Grade Blood	Sheep Manure
High Grade Fish Meal	Special Lawn Fertilizer
High Grade Tankage	Tankage Formula
High Grade Tankage A, B, C, D, E	

Fruit Growers Supply Co., Los Angeles, Cal.

REGISTRATION No. 90

Various materials sold under names descriptive of their composition.

General Fertilizer Association, San Bernardino, Cal.

REGISTRATION No. 42

G. F. A. Special No. 2	Orange No. 1
G. F. A. Special No. 5	Special mixtures to order of consumers

Germain Seed & Plant Co., Los Angeles, Cal.

REGISTRATION No. 76

Nuvida Blood and Bone	Nuvida Lawn and Garden Fertilizer
Nuvida Flower and Fern	Nuvida Vegetable Fertilizer

Globe Grain & Milling Co., Los Angeles, Cal.

REGISTRATION No. 83

Bat Guano	Nitrate of Soda
Blood	Packing House Tankage
Bone Meal	Sulphate of Ammonia
Cottonseed Meal	Superphosphate
Fish Meal	Whale Blood
Garbage Tankage	Whale Bone Meal

Hauser Packing Co., Los Angeles, Cal.

REGISTRATION No. 33

High Grade Blood	Steam Bone Meal
High Grade Tankage	Sulphate of Potash
Low Grade Tankage	Special mixtures to order of consumers
Nitrate of Soda	

Hawaiian Fertilizer Co., Ltd., San Francisco, Cal.

REGISTRATION No. 19

Bone Meal	Nitrate of Lime
Delta No. 1	Nitrate of Soda
Double Manure Salts	Nursery
Dry Ground Blood	Special Fall
Fish Guano	Special Spring
Florin Strawberry	Sulphate of Ammonia
Florin Fruit and Vine	Sulphate of Potash
Fruit and Vine	Superphosphate
Fruiting	Tankage
Lawn	Vegetable
Lime Nitrogen	Whale Guano
Muriate of Potash	

Thomas Lewis, Sacramento, Cal.

REGISTRATION No. 40

The Tom Lewis Fertilizer

Mountain Copper Co., San Francisco, Cal.

REGISTRATION No. 28

Mococo Superphosphate 0-17-0	Mococo 4.1-10-1.5
Mococo 0-14-9	Nitrate of Soda
Mococo 3-10-2	Sulphate of Potash
Mococo 3-10-5	Special mixtures to order of consumer
Mococo 4-10-4	

Oakland Meat & Packing Co., Emeryville, Cal.

REGISTRATION No. 24

"Special"

Pacific Bone, Coal & Fertilizing Co., San Francisco, Cal.

REGISTRATION No. 14

Arborette No. 1	Ceres Brand
Arborette No. 2	Citrona Brand No. 1
Blood	Citrona Brand No. 2
Bone Meal	Citrona Brand No. 3

Citrona Brand No. 4
 Flora Brand
 Lime Nitrogen
 Lucerna
 Lupin Brand
 Nitrate of Soda

Pomona Brand
 Pomona Brand No. 2
 Potash Salts
 Superphosphate
 Tankage
 Special Formulas

Pacific Guano & Fertilizer Co., San Francisco, Cal.

REGISTRATION No. 4

Brand AJX
 Brand CJV
 Brand F&V
 Brand GG
 Brand HOP
 Brand IXL
 Brand N
 Brand OK
 Brand PNK
 Brand PP
 Brand S

Brand TRK
 Brand VGR
 Brand XLT
 Chapman Fall Application
 Chapman Fall Application Special
 Chapman Spring Application
 Gromore
 Superphosphate Cresco
 Superphosphate Pacific
 Special mixtures to order of consumers

Pacific Reduction Co., Los Angeles, Cal.

REGISTRATION No. 86

Cobwell Organic Meal, derived from garbage.

San Antonio Meat Co., Pomona, Cal.

REGISTRATION No. 69

Tankage

Southern California Fertilizer Co., Los Angeles, Cal.

REGISTRATION No. 89

Garbage Tankage

Standard Fertilizer Co., Los Angeles, Cal.

REGISTRATION No. 60

Fish Meal
 Lawn Fertilizer
 Nitrate of Soda
 Special Potato

Standard No. 3
 Standard No. 8
 Superphosphate

Swift & Co., Chicago, Ill.

REGISTRATION No. 5

Swift's Diamond C
 Swift's Diamond D
 Swift's Diamond E
 Swift's Diamond K

Swift's Diamond L
 Swift's High Grade Blood
 Swift's High Grade Tankage
 Swift's Special Bone Meal

Union Fertilizer Co., Los Angeles, Cal.

REGISTRATION No. 9

Blood	Potato Fertilizer
Bone Meal	Special Fruiting Fertilizer
Fish Scrap	Sugar Beet Fertilizer
Fruiting Fertilizer	Sulphate of Potash
Guano	Superphosphate
Nitrate of Lime	Tankage
Nitrate of Soda	Walnut Fertilizer
Nursery Fertilizer	Special to order
Phosphate Rock	

Union Superphosphate Co., San Francisco, Cal.

REGISTRATION No. 31

Superphosphate, Cresco	Superphosphate, Pacific
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Western Fertilizer Co., San Francisco, Cal.

REGISTRATION No. 68

Wizard	Wonder
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Western Meat Co., San Francisco, Cal.

REGISTRATION No. 11

Brands A, B, C, D, E, F, G, H, I, K, L,	Lemon Special
M, O, R, S	Special brands to order

Wilson & Company, Los Angeles, Successors to the Pacific Coast Beef & Provision Co., Los Angeles, Cal.

REGISTRATION No. 64

Blood	Tankage
Bone Meal	William H. Brown Fertilizer

(See page 166 for explanation of the following Table of Analysis.)

NAME AND ADDRESS OF
MANUFACTURER OR DEALER,
AND NAME OF BRAND

FROM WHOM OBTAINED

Lab. No.			Value per ton
	Agricultural Chemical Works, Los Angeles, Cal.		
6588	"B"	J. M. Webster, Upland.....	\$30.80
	Guaranteed.....		30.00
7006	Bird Guano	W. H. Collins, Covina.....	43.79
	Guaranteed.....		43.39
6587	Blood	J. M. Webster, Upland.....	62.93
6644	Blood	W. H. Collins, Covina.....	63.25
	Guaranteed.....		63.62
6710	Blood	J. D. Spenetta, Orange.....	63.66
	Guaranteed.....		62.10
6841	Blood	J. M. Webster, Upland.....	63.94
	Guaranteed.....		64.40
6571*	Bone Meal	G. A. Herdeg, Riverside.....	40.17
	Guaranteed.....		37.90
6576*	Bone Meal	E. A. Moore, Redlands.....	40.04
6772*	Bone Meal	Union Commission Co., Santa Barbara.....	38.80
	Guaranteed.....		38.30
6623*	Bone Meal	S. G. Rossiter, Rialto.....	40.25
6875*	Bone Meal	G. A. Herdeg, Riverside.....	36.73
	Guaranteed.....		37.00
6642*	Bone Meal	W. H. Collins, Covina.....	38.78
	Guaranteed.....		36.60
6589	"C"	J. M. Webster, Upland.....	34.43
6643	"C"	W. H. Collins, Covina.....	32.05
	Guaranteed.....		33.80
6582	Cotton Seed Meal.....	E. A. Moore, Redlands.....	36.01
	Guaranteed.....		35.60
6755	"F"	J. D. Spenetta, Orange.....	25.12
	Guaranteed.....		23.80
6590	"K"	J. M. Webster, Upland.....	27.52
6756	"K"	J. D. Spenetta, Orange.....	27.51
	Guaranteed.....		27.40
6754	"L"	J. D. Spenetta, Orange.....	27.57
	Guaranteed.....		26.60
6753	Nitrate of Soda and Bone.....	J. D. Spenetta, Orange.....	54.84
	Guaranteed.....		57.45
6566	Special	Harold Latimer, Ontario.....	28.75
6570	Special	G. A. Herdeg, Riverside.....	28.55
6595	Special	J. M. Webster, Upland.....	28.98
6639	Special	W. H. Collins, Covina.....	30.25
6739	Special	J. E. Gowen, Santa Ana.....	29.80
6757	Special	Anaheim Citrus Fruit Assn., Anaheim.....	29.87
6825	Special	R. T. Nelson, Upland.....	29.64
6826	Special	J. M. Webster, Upland.....	29.33
7048	Special	R. T. Nelson, Upland.....	30.18
	Guaranteed.....		29.80

*6571— 46% fine.

*6576— 48% fine.

*6772—100% fine.

*6623— 46% fine.

*6875—43% fine.

*6642—52% fine.

Laboratory No.	PHOSPHORIC ACID				NITROGEN					POTASH		CHLORIN
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From Sulfate	Total	
6588	3.25	3.90	7.15	.....	1.04	.....	4.17	.....	5.21	.....	2.06	1.50
.....	4.00	4.00	8.00	<i>Bn, Super, T</i>	2.00	.....	3.00	<i>Bat G, Bl,</i>	5.00	2.00	2.00	.....
								<i>Bn</i>				
7006	.....	.....	15.40	.....	.....	3.11	3.71	.....	6.82	.....	1.79	.....
.....	.....	.....	14.00	.....	.....	.....	6.60	.....	6.60	.....	1.75	.....
6587	.....	.....	.....	.....	.....	.....	13.68	.....	13.68	.....	.....	.....
6644	.....	.....	.....	.....	.....	.....	13.75	.....	13.75	.....	.....	.....
							13.83	.....	13.83	.....	.....	.....
6710	.....	.....	.....	.....	.....	.....	13.84	.....	13.84	.....	.....	.....
							13.50	.....	13.50	.....	.....	.....
6841	.....	.....	.....	.....	.....	.....	13.90	.....	13.90	.....	.....	.....
							14.00	.....	14.00	.....	.....	.....
6571	.....	.....	24.30	.....	.....	.....	4.16	.....	4.16	.....	.....	.....
.....	.....	.....	25.00	.....	.....	.....	3.50	.....	3.50	.....	.....	.....
6576	.....	.....	24.00	.....	.....	.....	4.19	.....	4.19	.....	.....	.....
6772	.....	.....	24.00	.....	.....	.....	3.91	.....	3.91	.....	.....	.....
.....	.....	.....	23.00	.....	.....	.....	4.00	.....	4.00	.....	.....	.....
6623	.....	.....	23.70	.....	.....	.....	4.30	.....	4.30	.....	.....	.....
6875	.....	.....	21.50	.....	.....	.....	3.95	.....	3.95	.....	.....	.....
.....	.....	.....	24.00	.....	.....	.....	3.50	.....	3.50	.....	.....	.....
6642	.....	.....	24.80	.....	.....	.....	3.74	.....	3.74	.....	.....	.....
.....	.....	.....	26.00	.....	.....	.....	3.00	.....	3.00	.....	.....	.....
6589	3.66	4.44	8.10	.....	2.67	.....	3.24	.....	5.91	.....	2.74	1.32
6643	3.92	4.18	8.10	.....	2.31	.....	3.05	.....	5.36	2.56	2.56	0.85
.....	4.00	4.00	8.00	<i>Bn, Super, T</i>	3.00	.....	3.00	<i>Bat G, Bl,</i>	6.00	2.00	2.00	.....
								<i>Bn</i>				
6582	.....	.....	3.35	.....	.....	.....	7.09	.....	7.09	.....	1.80	.....
.....	.....	.....	5.00	.....	.....	.....	6.75	.....	6.75	.....	1.40	.....
6755	5.09	2.86	7.95	.....	1.36	.....	1.91	.....	3.27	4.39	4.39	.....
.....	6.00	2.00	8.00	<i>Bn, Super, T</i>	1.00	.....	2.00	<i>Bat G, Bl,</i>	3.00	4.00	4.00	.....
								<i>Bn</i>				
6590	4.77	5.38	10.15	.....	1.32	.....	2.57	.....	3.89	.....	2.06	1.55
6756	4.35	5.60	9.95	.....	1.34	.....	2.56	.....	3.90	2.20	2.20	.....
.....	6.00	4.00	10.00	<i>Bn, Super, T</i>	2.00	.....	2.00	<i>Bat G, Bl,</i>	4.00	2.00	2.00	.....
								<i>Bn</i>				
6754	5.63	5.42	11.05	.....	0.69	.....	2.14	.....	2.83	5.59	5.59	0.72
.....	5.00	5.00	10.00	<i>Bn, Super, T</i>	1.00	.....	2.00	<i>Bat G, Bl,</i>	3.00	5.00	5.00	.....
								<i>Bn</i>				
6753	.....	.....	1.70	.....	13.80	.....	0.23	.....	14.03	.....	.....	.....
.....	.....	.....	0.50	<i>Bn</i>	.....	.....	.....	.....	15.00	.....	.....	.....
6566	.....	.....	9.40	.....	1.75	.....	3.10	.....	4.85	.....	.....	.....
6570	.....	.....	9.40	.....	1.50	.....	3.27	.....	4.77	.....	.....	.....
6595	.....	.....	9.85	.....	1.53	.....	3.25	.....	4.78	.....	.....	.....
6639	.....	.....	9.95	.....	0.95	.....	4.02	.....	4.97	.....	.....	.....
6739	.....	.....	9.85	.....	0.83	.....	4.04	.....	4.87	.....	.....	.....
6757	.....	.....	9.80	.....	1.80	.....	3.23	.....	5.03	.....	.....	.....
6825	.....	.....	11.05	.....	2.15	.....	2.62	.....	4.77	.....	.....	.....
6826	.....	.....	10.15	.....	1.62	.....	3.19	.....	4.81	.....	.....	.....
7048	.....	.....	10.80	.....	1.84	.....	3.06	.....	4.90	.....	.....	.....
.....	.....	.....	10.00	<i>Bn, Super, T</i>	2.00	.....	3.00	<i>Bat G, Bl,</i>	5.00	.....	.....	.....
								<i>Bn, Fs</i>				

NAME AND ADDRESS OF
MANUFACTURER OR DEALER,
AND NAME OF BRAND

FROM WHOM OBTAINED

Lab.
No.

Value
per ton

Agricultural Chemical Works (Continued).

Los Angeles, Cal.

6569	Special	G. A. Herdeg, Riverside.....	32.97
6580	Special	E. A. Moore, Redlands.....	34.31
6594	Special	J. M. Webster, Upland.....	34.31
6827	Special	J. M. Webster, Upland.....	34.73
6852	Special	G. A. Herdeg, Riverside.....	34.60
6876	Special	G. A. Herdeg, Riverside.....	34.03
6877	Special	G. A. Herdeg, Riverside.....	33.82
	<i>Guaranteed</i>		34.20
6577	Special	E. A. Moore, Redlands.....	28.91
6592	Special	J. M. Webster, Upland.....	29.17
	<i>Guaranteed</i>		27.60
6579	Special	E. A. Moore, Redlands.....	38.75
6640	Special	W. H. Collins, Covina.....	38.02
	<i>Guaranteed</i>		40.60
6581	Special	E. A. Moore, Redlands.....	27.32
6593	Special	J. M. Webster, Upland.....	28.06
6738	Special	J. E. Gowen, Santa Ana.....	27.34
6829	Special	J. M. Webster, Upland.....	28.49
7043	Special	I. W. Shirley, Upland.....	27.40
	<i>Guaranteed</i>		27.20
6583*	Special	E. A. Moore, Redlands.....	59.96
	<i>Guaranteed</i>		63.60
6584*	Special	E. A. Moore, Redlands.....	59.03
	<i>Guaranteed</i>		61.50
6621	Special	S. G. Rossiter, Rialto.....	23.81
	<i>Guaranteed</i>		24.00
6622	Special	S. G. Rossiter, Rialto.....	24.93
	<i>Guaranteed</i>		23.70
6637	Special	H. L. Hostetler, Covina.....	36.82
6638	Special	R. M. Douglas, Covina.....	37.75
	<i>Guaranteed</i>		37.70
6813	Special	E. A. Moore, Redlands.....	37.89
6828	Special	J. M. Webster, Upland.....	38.46
7003	Special	W. H. Collins, Covina.....	38.41
	<i>Guaranteed</i>		37.10
6843	Special	J. M. Webster, Upland.....	39.82
7004	Special	W. H. Collins, Covina.....	41.82
	<i>Guaranteed</i>		40.00
6851	Special	G. A. Herdeg, Riverside.....	38.36
	<i>Guaranteed</i>		40.00
7005	Special	W. H. Collins, Covina.....	30.70
	<i>Guaranteed</i>		31.60

*6583—Sample possibly not valid.

*6584—Sample possibly not valid.

Laboratory No.	PHOSPHORIC ACID				NITROGEN					POTASH		CHLORIN
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From Sulfate	Total	
6569	9.35	.....	1.68	.....	4.13	.....	5.81	.....	.....	.....
6580	10.35	.....	1.90	.....	4.04	.....	5.94	.....	.....	.....
6594	10.35	.....	2.12	.....	3.85	.....	5.97	.....	.....	.....
6827	10.20	.....	1.71	.....	4.33	.....	6.04	.....	.....	.....
6852	10.00	.....	2.00	.....	4.09	.....	6.09	.....	.....	.....
6876	9.60	.....	1.75	.....	4.26	.....	6.01	.....	.....	.....
6877	9.40	.....	2.18	.....	3.88	.....	6.06	.....	.....	.....
.....	10.00	<i>Bn, Super, T</i>	2.00	.....	4.00	<i>Bat G, Bl, Bn</i>	6.00	.....	.....	.....
6577	5.10	10.35	15.45	.....	.....	.....	3.41	.....	3.41	.....	.....	.....
6592	5.00	9.75	14.75	.....	.....	.....	3.61	.....	3.61	.....	.....	.....
.....	7.00	9.00	16.00	<i>Bn, Super, T</i>	.....	.....	3.00	<i>Bat G, Bl Bn</i>	3.00	.....	.....	.....
6579	7.45	.....	.....	2.92	4.76	.....	7.68	.....	.....	.....
6640	7.80	.....	.....	3.65	4.12	.....	7.77	.....	.....	.....
.....	8.00	<i>Bn, T, Fs, G</i>	.....	3.00	5.00	<i>Bl, Bn, Fs, G, T</i>	8.00	.....	.....	.....
6581	12.00	.....	1.88	.....	2.13	.....	4.01	.....	.....	.....
6593	12.60	.....	1.02	.....	2.92	.....	3.94	.....	.....	.....
6738	12.60	.....	1.57	.....	2.28	.....	3.85	.....	.....	.....
6829	12.55	.....	1.49	.....	2.62	.....	4.11	.....	.....	.....
7043	11.90	.....	1.63	.....	2.40	.....	4.03	.....	.....	.....
.....	12.00	<i>Bn, Super, T</i>	2.00	4.00	2.00	<i>Bat G, Bl, Bn, Fs</i>	4.00	.....	.....	.....
6583	4.86	.....	9.43	.....	14.29	.....	.....	.....
.....	4.00	.....	11.00	<i>Bl</i>	15.00	.....	.....	.....
6584	7.50	6.93	7.43	.....	14.36	.....	.....	.....
.....	7.50	7.50	<i>Bl</i>	15.00	.....	.....	.....
6621	5.16	6.34	11.50	.....	.....	.....	3.06	.....	3.06	.....	.....	.....
.....	6.00	6.00	12.00	<i>Bn, Super, T</i>	.....	.....	3.00	<i>Bat G, Bl, Bn</i>	3.00	.....	.....	.....
6622	5.73	3.72	9.45	.....	.....	.....	3.34	.....	3.34	1.73	1.73	0.60
.....	6.00	4.00	10.00	<i>Bn, Super, T</i>	.....	.....	3.00	<i>Bat G, Bl, Bn</i>	3.00	1.50	1.50	.....
6637	8.75	.....	.....	2.06	4.80	.....	6.86	.....	.....	.....
6638	9.10	.....	.....	2.50	4.56	.....	7.06	.....	.....	.....
.....	9.00	<i>Bn, Super, T</i>	.....	2.00	5.00	<i>Bat G, Bl, Bn</i>	7.00	.....	.....	.....
6813	9.20	.....	.....	2.87	4.25	.....	7.12	.....	.....	.....
6828	9.05	.....	.....	3.37	3.98	.....	7.35	.....	.....	.....
7003	9.35	.....	.....	2.88	4.33	.....	7.21	.....	.....	.....
.....	9.00	<i>Bn, Super, T</i>	.....	3.00	4.00	<i>Bat G, Bl, Bn, Fs</i>	7.00	.....	.....	.....
6843	7.90	.....	.....	3.78	4.17	.....	7.95	.....	.....	.....
7004	8.35	.....	0.62	3.58	4.17	.....	8.37	.....	.....	.....
.....	8.00	<i>Bn, Fs, G, T</i>	.....	4.00	4.00	<i>Bl, Bn, Fs, G, T</i>	8.00	.....	.....	.....
6851	8.30	.....	2.86	.....	4.55	.....	7.41	.....	.....	.....
.....	8.00	<i>Bn, Super, T</i>	4.00	.....	4.00	<i>Bat G, Bl, Bn</i>	8.00	.....	.....	.....
7005	12.05	.....	1.82	.....	2.94	.....	4.76	.....	.....	.....
.....	12.00	<i>Bn, Super, T</i>	2.00	.....	3.00	<i>Bat G, Bl, Bn, Fs</i>	5.00	.....	.....	.....

NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND		FROM WHOM OBTAINED	
Lab. No.			Value per ton
Agricultural Chemical Works (Continued).			
Los Angeles, Cal.			
6591*	Tankage	J. M. Webster, Upland.....	34.17
6641*	Tankage	W. H. Collins, Covina.....	34.64
	<i>Guaranteed</i>		32.99
6864*	Tankage	G. A. Herdeg, Riverside.....	34.66
	<i>Guaranteed</i>		36.00
6578	Tankage Fertilizer	E. A. Moore, Redlands.....	38.08
	<i>Guaranteed</i>		38.40
American Agricultural Chemical Co., Los Angeles, Cal.			
7024*	Bradley's	Pacific Wood & Coal Co., San Diego.....	27.20
	<i>Guaranteed</i>		26.68
6645	Bradley's Calif. Vegetable.....	F. E. Dudderar, Covina.....	25.82
6665	Bradley's Calif. Vegetable.....	Pacific Wood & Coal Co., San Diego.....	25.94
7025	Bradley's Calif. Vegetable.....	Pacific Wood & Coal Co., San Diego.....	25.96
	<i>Guaranteed</i>		25.12
6575	Bradley's Lawn	E. M. Cope Commercial Co., Redlands.....	27.50
6573	Bradley's Lawn	G. L. Wintherbotham, Riverside.....	26.57
6666	Bradley's Lawn	Pacific Wood & Coal Co., San Diego.....	26.25
7023	Bradley's Lawn	Pacific Wood & Coal Co., San Diego.....	27.58
	<i>Guaranteed</i>		26.68
6663	Bradley's Lemon Tree.....	Pacific Wood & Coal Co., San Diego.....	26.93
7002	Bradley's Lemon Tree.....	Pacific Wood & Coal Co., San Diego.....	27.18
7032	Bradley's Lemon Tree.....	San Diego Land Corp., National City.....	27.73
	<i>Guaranteed</i>		26.68
6572	Bradley's Nursery Stock.....	G. L. Winterbotham, Riverside.....	27.32
6596	Bradley's Nursery Stock.....	San Fernando Lemon Assn., San Fernando....	25.58
6671	Bradley's Nursery Stock.....	M. R. Williams, Monrovia.....	26.51
6707	Bradley's Nursery Stock.....	E. C. Robinson, Pomona.....	26.57
6770	Bradley's Nursery Stock.....	Santa Paula Citrus Fruit Assn., Santa Paula	26.32
6899	Bradley's Nursery Stock.....	A. W. Jeffrey, Azusa.....	27.13
6915	Bradley's Nursery Stock.....	Mrs. J. M. Riley, Los Angeles.....	26.70
6941	Bradley's Nursery Stock.....	R. T. Nelson, Upland.....	27.29
	<i>Guaranteed</i>		26.68
6574	Bradley's Orange and Lemon....	E. M. Cope Commercial Co., Redlands.....	27.22
6664	Bradley's Orange and Lemon....	Pacific Wood & Coal Co., San Diego.....	25.40
7026	Bradley's Orange and Lemon....	Pacific Wood & Coal Co., San Diego.....	25.52
	<i>Guaranteed</i>		25.64
7027*	.....	Pacific Wood & Coal Co., San Diego.....	
6918	Sulfate of Ammonia.....	F. E. Dudderar, Covina.....	
	Sold on unit basis.		

*6591—81% fine.

*6641—85% fine.

*6864—91% fine.

*7024—No brand name. In violation of California Fertilizer Act.

*7027—No brand name, no statement of derivation. In violation of California Fertilizer Act.

Laboratory No.	PHOSPHORIC ACID				NITROGEN					POTASH		CHLORIN
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From Sulfate	Total	
6591	.....	.....	14.05	.....	.....	.....	5.53	.....	5.53	.....	.....	.....
6641	.....	.....	13.60	.....	.....	.....	5.71	.....	5.71	.....	.....	.....
.....	.....	.....	13.50	.....	.....	.....	5.35	.....	5.35	.....	.....	.....
6864	.....	.....	19.60	.....	.....	.....	4.76	.....	4.76	.....	.....	.....
.....	.....	.....	20.00	.....	.....	.....	5.00	.....	5.00	.....	.....	.....
6578	.....	.....	8.95	.....	1.04	1.81	4.77	.....	7.62	.....	.....	.....
.....	.....	.....	8.00	T	.....	4.00	4.00	Bl, Bn	8.00	.....	.....	.....
7024	8.76	1.34	10.10	.....	2.06	0.86	1.20	.....	4.12	1.75	1.75	.....
.....	9.00	1.00	10.00	Bn, Super	2.35	0.75	1.00	Bat G, Bl, Bn, T	4.10	1.50	1.50	.....
6645	7.75	1.30	9.05	.....	1.96	0.58	0.89	.....	3.43	4.11	4.11	.....
6665	7.92	0.88	8.80	.....	2.10	0.71	0.78	.....	3.59	3.91	3.91	.....
7025	8.49	0.76	9.25	.....	1.95	0.77	0.72	.....	3.44	4.13	4.13	.....
.....	8.00	1.00	9.00	Bn, Super	1.90	0.60	0.80	Bat G, Bl, Bn, T	3.30	4.00	4.00	.....
6575	8.85	1.40	10.25	.....	2.80	0.88	0.60	.....	4.28	1.65	1.65	0.85
6573	8.40	1.60	10.00	.....	2.48	1.03	0.56	.....	4.07	1.77	1.77	.....
6666	9.85	0.10	9.95	.....	2.40	0.92	0.68	.....	4.00	1.69	1.69	.....
7023	8.99	1.36	10.35	.....	2.46	0.86	0.88	.....	4.20	1.78	1.78	.....
.....	9.00	1.00	10.00	Bn, Super	2.35	0.75	1.00	Bat G, Bl, Bn, T	4.10	1.50	1.50	.....
6663	8.16	2.34	10.50	.....	2.31	0.84	0.88	.....	4.03	1.64	1.64	.....
7002	8.90	1.40	10.30	.....	2.35	0.69	1.01	.....	4.05	1.91	1.91	.....
7032	9.37	1.08	10.45	.....	2.52	0.96	0.71	.....	4.19	1.98	1.98	.....
.....	9.00	1.00	10.00	Bn, Super	2.35	0.75	1.00	Bat G, Bl, Bn, T	4.10	1.50	1.50	.....
6572	8.70	1.50	10.20	.....	2.59	0.85	0.77	.....	4.21	1.68	1.68	.....
6596	8.57	0.98	9.55	.....	2.58	0.80	0.60	.....	3.98	1.50	1.50	.....
6671	8.06	1.84	9.90	.....	2.51	0.88	0.71	.....	4.10	1.59	1.59	.....
6707	8.48	1.52	10.00	.....	2.38	0.80	0.88	.....	4.06	1.61	1.61	.....
6770	8.65	1.00	9.65	.....	2.36	0.79	0.91	.....	4.06	1.66	1.66	.....
6899	8.86	0.94	9.80	.....	.....	2.75	1.35	.....	4.10	1.92	1.92	.....
6915	8.34	1.06	9.40	.....	2.38	0.72	1.07	.....	4.17	1.74	1.74	.....
6941	8.63	1.12	9.75	.....	2.37	0.67	1.17	.....	4.21	1.81	1.81	.....
.....	9.00	1.00	10.00	Bn, Super	2.35	0.75	1.00	Bat G, Bl, Bn, T	4.10	1.50	1.50	.....
6574	7.72	2.28	10.00	.....	2.37	0.67	0.73	.....	3.77	3.46	3.46	.....
6664	8.22	0.68	8.90	.....	2.08	0.74	0.77	.....	3.59	3.29	3.29	.....
7026	9.02	0.68	9.70	.....	1.82	0.69	0.99	.....	3.50	2.90	2.90	.....
.....	8.00	1.00	9.00	Bn, Super	2.20	0.70	0.80	Bat G, Bl, Bn, T	3.70	3.00	3.00	.....
7027	18.04	0.66	18.70	.....	.....	.....	.....	.....	.....	.....	.....	.....
6918	.....	.....	.....	.....	.....	20.52	.....	.....	20.52	.....	.....	.....

NAME AND ADDRESS OF
MANUFACTURER OR DEALER,
AND NAME OF BRAND

FROM WHOM OBTAINED

Lab. No.		Value per ton
	Armour Fertilizer Works, Los Angeles, Cal.	
6849	Armour's 1916 Fall Brand.....E. F. Wilson, Upland.....	25.21
	<i>Guaranteed</i>	24.30
6555	Blood .....Miss R. Brown, et al, Covina.....	62.05
	<i>Guaranteed</i>	60.90
6604	Blood .....E. F. Wilson, Upland.....	63.80
6784	Blood .....F. M. Chapman, Covina.....	64.31
	<i>Guaranteed</i>	63.94
6627	Blood .....J. C. Boyd, Rialto.....	63.16
6668	Blood .....E. F. Wilson, Upland.....	61.04
	<i>Guaranteed</i>	62.74
6658	Blood .....H. P. Greene, San Diego.....	62.10
6338	Blood .....E. M. Hudson, Los Angeles.....	62.05
	<i>Guaranteed</i>	62.79
6673	Blood .....A. M. Seeley, Covina.....	62.28
	<i>Guaranteed</i>	63.02
6697	Blood .....R. T. Murrell, Pomona.....	63.02
	<i>Guaranteed</i>	63.30
6783	Blood .....Mrs. F. M. Chapman, Covina.....	64.95
	<i>Guaranteed</i>	64.40
6842	Blood .....J. M. Webster, Upland.....	63.11
	<i>Guaranteed</i>	64.17
6845	Blood .....E. F. Wilson, Upland.....	64.81
	<i>Guaranteed</i>	63.25
6846	Blood .....E. F. Wilson, Upland.....	64.91
	<i>Guaranteed</i>	63.48
6847	Blood .....E. F. Wilson, Upland.....	64.35
	<i>Guaranteed</i>	64.86
6923	Blood .....C. Menefee, Covina.....	61.59
	<i>Guaranteed</i>	62.10
6983	Blood .....W. L. Wiley, Glendora.....	62.61
	<i>Guaranteed</i>	61.41
6609*	Bone Meal .....E. F. Wilson, Upland.....	36.02
6680*	Bone Meal .....A. M. Seeley, Covina.....	36.10
	<i>Guaranteed</i>	37.30
6615*	Bone Meal .....D. P. Stone, Redlands.....	38.02
6652*	Bone Meal .....E. O. Rickard, Riverside.....	37.92
6782*	Bone Meal .....C. S. Whitcomb, Glendora.....	37.93
	<i>Guaranteed</i>	36.60
6655*	Bone Meal .....E. F. Wilson, Upland.....	38.60
6672*	Bone Meal .....E. R. Brubaker, et al, Azusa.....	37.93
6736*	Bone Meal .....A. P. Griffith Estate, Azusa.....	38.83
	<i>Guaranteed</i>	39.06
6662*	Bone Meal .....H. P. Greene, San Diego.....	31.32
	<i>Guaranteed</i>	32.20
6689*	Bone Meal .....Louis Steel, Highland.....	36.12
	<i>Guaranteed</i>	35.70
6692*	Bone Meal .....W. T. Henderson, Riverside.....	39.33
	<i>Guaranteed</i>	38.02
6696*	Bone Meal .....R. T. Murrell, Pomona.....	36.53
	<i>Guaranteed</i>	37.20

*6782—60% fine.

*6655—61% fine.

*6672—61% fine.

*6736—60% fine.

*6662—97% fine.

*6689—74% fine.

*6692—50% fine.

*6609—76% fine.

*6680—71% fine.

*6615—63% fine.

*6652—61% fine.

*6696—73% fine.

Laboratory No.	PHOSPHORIC ACID				NITROGEN					POTASH		CHLORIN
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From Sulfate	Total	
6849	15.25	.....	.....	.....	2.20	.....	2.20	1.80	1.80	0.80
.....	15.00	<i>Bn</i>	.....	.....	2.00	<i>Bn, T</i>	2.00	2.00	2.00	.....
6555	13.49	.....	13.49	.....	.....	.....
.....	13.24	.....	13.24	.....	.....	.....
6604	13.87	.....	13.87	.....	.....	.....
6784	13.98	.....	13.98	.....	.....	.....
.....	13.90	.....	13.90	.....	.....	.....
6627	13.73	.....	13.73	.....	.....	.....
6668	13.27	.....	13.27	.....	.....	.....
.....	13.64	.....	13.64	.....	.....	.....
6658	13.50	.....	13.50	.....	.....	.....
6838	13.49	.....	13.49	.....	.....	.....
.....	13.65	.....	13.65	.....	.....	.....
6673	13.54	.....	13.54	.....	.....	.....
.....	13.70	.....	13.70	.....	.....	.....
6697	13.70	.....	13.70	.....	.....	.....
.....	13.76	.....	13.76	.....	.....	.....
6783	14.12	.....	14.12	.....	.....	.....
.....	14.00	.....	14.00	.....	.....	.....
6842	13.72	.....	13.72	.....	.....	.....
.....	13.95	.....	13.95	.....	.....	.....
6945	14.09	.....	14.09	.....	.....	.....
.....	13.75	.....	13.75	.....	.....	.....
6846	14.11	.....	14.11	.....	.....	.....
.....	13.80	.....	13.80	.....	.....	.....
6847	13.99	.....	13.99	.....	.....	.....
.....	14.10	.....	14.10	.....	.....	.....
6923	13.39	.....	13.39	.....	.....	.....
.....	13.50	.....	13.50	.....	.....	.....
6983	13.61	.....	13.61	.....	.....	.....
.....	13.35	.....	13.35	.....	.....	.....
6609	27.60	.....	.....	.....	2.54	.....	2.54	.....	.....	.....
6680	27.50	.....	.....	.....	2.58	.....	2.58	.....	.....	.....
.....	24.00	.....	.....	.....	2.75	.....	2.75	.....	.....	.....
6615	26.60	.....	.....	.....	3.20	.....	3.20	.....	.....	.....
6652	26.00	.....	.....	.....	3.30	.....	3.30	.....	.....	.....
6782	26.40	.....	.....	.....	3.22	.....	3.22	.....	.....	.....
.....	26.00	.....	.....	.....	3.00	.....	3.00	.....	.....	.....
6655	27.00	.....	.....	.....	3.25	.....	3.25	.....	.....	.....
6672	26.30	.....	.....	.....	3.24	.....	3.24	.....	.....	.....
6736	27.40	.....	.....	.....	3.22	.....	3.22	.....	.....	.....
.....	27.75	.....	.....	.....	3.20	.....	3.20	.....	.....	.....
6662	23.60	.....	.....	.....	2.29	.....	2.29	.....	.....	.....
.....	26.00	.....	.....	.....	2.00	.....	2.00	.....	.....	.....
6689	26.30	.....	.....	.....	2.83	.....	2.83	.....	.....	.....
.....	25.00	.....	.....	.....	3.00	.....	3.00	.....	.....	.....
6692	23.80	.....	.....	.....	4.07	.....	4.07	.....	.....	.....
.....	23.23	.....	.....	.....	3.89	.....	3.89	.....	.....	.....
6696	27.00	.....	.....	.....	2.78	.....	2.78	.....	.....	.....
.....	27.06	.....	.....	.....	2.92	.....	2.92	.....	.....	.....

NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND		FROM WHOM OBTAINED	Value per ton
Lab. No.			
Armour Fertilizer Works (Continued).			
Los Angeles, Cal.			
6699*	Bone Meal	Azusa Foot-Hill Citrus Co., Azusa.....	36.27
6700*	Bone Meal	Azusa Foot-Hill Citrus Co., Azusa.....	37.04
6701*	Bone Meal	Azusa Foot-Hill Citrus Co., Azusa.....	36.97
6702*	Bone Meal	Azusa Foot-Hill Citrus Co., Azusa.....	34.61
	Guaranteed.....		32.60
6712*	Bone Meal	Azusa Foot-Hill Citrus Co., Azusa.....	36.36
	Guaranteed.....		35.93
6713*	Bone Meal	Azusa Foot-Hill Citrus Co., Azusa.....	33.14
6714*	Bone Meal	Azusa Foot-Hill Citrus Co., Azusa.....	33.10
6715*	Bone Meal	Azusa Foot-Hill Citrus Co., Azusa.....	32.81
6719*	Bone Meal	Azusa Foot-Hill Citrus Co., Azusa.....	33.20
6720*	Bone Meal	Azusa Foot-Hill Citrus Co., Azusa.....	32.38
	Guaranteed.....		30.80
6721*	Bone Meal	Mrs. James Fleming, San Bernardino.....	39.27
	Guaranteed.....		38.38
6788*	Bone Meal	W. H. Lindley, Ontario.....	36.88
	Guaranteed.....		36.85
6837*	Bone Meal	E. M. Hudson, Los Angeles.....	33.59
	Guaranteed.....		33.72
7031*	Bone Meal	H. P. Greene, San Diego.....	37.60
	Guaranteed.....		35.10
6610	Cropmaker Special	E. F. Wilson, Upland.....	29.54
6616	Cropmaker Special	R. E. Fairchild, Redlands.....	29.07
6674	Cropmaker Special	A. M. Seeley, Covina.....	28.46
6688	Cropmaker Special	Louis Steel, Highland.....	28.21
6691	Cropmaker Special	W. T. Henderson, Riverside.....	28.54
6694	Cropmaker Special	W. T. Henderson, Riverside.....	28.77
6695	Cropmaker Special	R. T. Murrell, Pomona.....	27.58
6722	Cropmaker Special	L. S. Steele, Highland.....	27.11
6836	Cropmaker Special	E. M. Hudson, Los Angeles.....	28.29
7038	Cropmaker Special	Mrs. M. H. La Fetra, Glendora.....	29.93
	Guaranteed.....		27.70
6661	Cropmaker Special	H. P. Greene, San Diego.....	27.42
	Guaranteed.....		27.10
6839*	Fish Meal	E. M. Hudson, Los Angeles.....	46.17
	Guaranteed.....		46.55
6840*	Fish Meal	E. M. Hudson, Los Angeles.....	34.41
	Guaranteed.....		34.30
6558	Guano	Alta Cresta Rancho Riverside.....	23.49
	Guaranteed.....		25.97
6660	Lawn Special	H. P. Greene, San Diego.....	27.44
6693	Lawn Special	W. T. Henderson, Riverside.....	27.46
6742	Lawn Special	Garden Grove Lumber and Cement Co., Gar- den Grove	26.00
6835	Lawn Special	E. M. Hudson, Los Angeles.....	26.85
	Guaranteed.....		25.70
6626	Nitrate of Soda.....	J. C. Boyd, Rialto.....	58.56
6656	Nitrate of Soda.....	E. F. Wilson, Upland.....	59.85
6659	Nitrate of Soda.....	H. P. Greene, San Diego.....	59.09

*6699—73% fine.

*6702—74% fine.

*6714—57% fine.

*6700—70% fine.

*6712—73% fine.

*6715—55% fine.

*6701—71% fine.

*6713—55% fine.

*6719—60% fine.

Laboratory No.	PHOSPHORIC ACID				NITROGEN					POTASH		CHLORIN
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From Sulfate	Total	
6699	.....	.....	27.10	.....	.....	.....	2.70	.....	2.70	.....	.....	.....
6700	.....	.....	26.10	.....	.....	.....	3.08	.....	3.08	.....	.....	.....
6701	.....	.....	24.70	.....	.....	.....	3.35	.....	3.35	.....	.....	.....
6702	.....	.....	25.40	.....	.....	.....	2.67	.....	2.67	.....	.....	.....
.....	.....	.....	24.00	.....	.....	.....	2.50	.....	2.50	.....	.....	.....
6712	.....	.....	27.30	.....	.....	.....	2.68	.....	2.68	.....	.....	.....
.....	.....	.....	27.70	.....	.....	.....	2.50	.....	2.50	.....	.....	.....
6713	.....	.....	22.40	.....	.....	.....	2.95	.....	2.95	.....	.....	.....
6714	.....	.....	22.40	.....	.....	.....	2.94	.....	2.94	.....	.....	.....
6715	.....	.....	23.40	.....	.....	.....	2.67	.....	2.67	.....	.....	.....
6719	.....	.....	23.20	.....	.....	.....	2.80	.....	2.80	.....	.....	.....
6720	.....	.....	21.70	.....	.....	.....	2.92	.....	2.92	.....	.....	.....
.....	.....	.....	22.00	.....	.....	.....	2.50	.....	2.50	.....	.....	.....
6721	.....	.....	27.50	.....	.....	.....	3.30	.....	3.30	.....	.....	.....
.....	.....	.....	27.00	.....	.....	.....	3.20	.....	3.20	.....	.....	.....
6788	.....	.....	26.80	.....	.....	.....	2.90	.....	2.90	.....	.....	.....
.....	.....	.....	27.25	.....	.....	.....	2.80	.....	2.80	.....	.....	.....
6737	.....	.....	18.50	.....	.....	.....	3.85	.....	3.85	.....	.....	.....
.....	.....	.....	18.40	.....	.....	.....	3.90	.....	3.90	.....	.....	.....
7031	.....	.....	21.10	.....	.....	.....	4.23	.....	4.23	.....	.....	.....
.....	.....	.....	21.15	.....	.....	.....	3.65	.....	3.65	.....	.....	.....
6610	6.62	3.48	10.10	.....	1.81	.....	2.48	.....	4.29	2.66	2.66	0.80
6616	6.81	3.64	10.45	.....	1.76	.....	2.38	.....	4.14	2.50	2.50	0.97
6674	3.42	6.28	9.70	.....	0.31	.....	3.73	.....	4.04	.....	2.14	1.05
6688	3.56	5.74	9.30	.....	0.37	.....	3.78	.....	4.15	1.80	1.80	0.97
6691	7.50	3.10	10.60	.....	1.49	.....	2.46	.....	3.95	2.51	2.51	0.67
6694	7.24	3.36	10.60	.....	1.39	.....	2.62	.....	4.01	.....	2.42	1.00
6695	3.57	6.38	9.95	.....	.....	.....	3.83	.....	3.83	.....	1.77	1.00
6722	6.57	3.78	10.35	.....	1.54	.....	2.23	.....	3.77	.....	2.13	1.25
6836	5.36	4.04	10.40	.....	1.60	.....	2.39	.....	3.99	.....	2.33	1.35
7038	7.53	3.32	10.85	.....	2.47	.....	1.96	.....	4.43	2.15	2.15	0.95
.....	8.00	2.00	10.00	<i>Bn, Super, G</i>	1.50	.....	2.50	<i>Bl, Bn, G, T</i>	4.00	2.00	2.00	.....
6661	6.96	3.44	10.40	.....	2.16	.....	1.64	.....	3.80	2.64	2.64	0.75
.....	8.00	2.00	10.00	<i>Bn, G</i>	2.50	.....	1.50	<i>Bl, Bn, G,, T, CSM</i>	4.00	2.00	2.00	.....
6839	.....	.....	8.70	.....	.....	.....	9.11	.....	9.11	.....	.....	.....
.....	.....	.....	8.35	.....	.....	.....	9.25	.....	9.25	.....	.....	.....
6840	.....	.....	4.65	.....	.....	.....	7.08	.....	7.08	.....	.....	.....
.....	.....	.....	5.00	.....	.....	.....	7.00	.....	7.00	.....	.....	.....
6558	.....	.....	6.10	.....	1.35	0.35	2.76	.....	4.46	.....	0.62	.....
.....	.....	.....	5.90	.....	.....	.....	4.86	.....	4.86	.....	0.46	.....
6660	4.45	1.10	5.55	.....	0.95	.....	3.74	.....	4.69	2.38	2.38	0.95
6693	3.95	1.80	5.75	.....	1.31	.....	3.45	.....	4.76	.....	2.13	1.72
6742	3.83	1.22	5.05	.....	0.94	.....	3.62	.....	4.56	1.95	1.95	0.70
6835	3.57	1.98	5.55	.....	1.52	.....	3.20	.....	4.72	.....	2.00	1.60
.....	4.00	1.00	5.00	<i>Bn, Super, G</i>	1.00	.....	3.50	<i>Bl, Bn, G, T</i>	4.50	2.00	2.00	.....
6626	.....	.....	.....	.....	15.41	.....	.....	.....	15.41	.....	.....	.....
6656	.....	.....	.....	.....	15.75	.....	.....	.....	15.75	.....	.....	.....
6659	.....	.....	.....	.....	15.55	.....	.....	.....	15.55	.....	.....	.....

*6720—65% fine.

*6721—54% fine.

*6788—68% fine.

*6837—25% fine.

*7031—16% fine.

*6839—71% fine.

*6840—68% fine.

NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND			FROM WHOM OBTAINED	
Lab. No.				Value per ton
Armour Fertilizer Works (Continued).				
Los Angeles, Cal.				
6676	Nitrate of Soda.....	A. M. Seeley, Covina.....		58.33
6767	Nitrate of Soda.....	Fillmore Citrus Fruit Assn., Fillmore.....		57.38
6833	Nitrate of Soda.....	E. M. Hudson, Los Angeles.....		59.20
6953	Nitrate of Soda.....	J. A. Mack, Bloomington.....		58.79
	Guaranteed.....			57.00
6608	Special	E. F. Wilson, Upland.....		33.46
	Guaranteed.....			31.80
6706	Special	Mrs. S. F. McDonald, Glendora.....		31.45
	Guaranteed.....			29.80
6740	Special	Garden Grove Lumber & Cement Co., Gar- den Grove		23.73
	Guaranteed.....			24.00
6872	Special	Mrs. James Fleming, San Bernardino.....		27.53
	Guaranteed.....			26.70
6834	Special	E. M. Hudson, Los Angeles.....		22.15
	Guaranteed.....			22.20
6988	Special	Aggeler & Musser Seed Co., Los Angeles.....		21.70
7030	Special	H. P. Greene, San Diego.....		21.08
	Guaranteed.....			21.30
6741	Special Potato	Garden Grove Lumber & Cement Co., Gar- den Grove		22.64
	Guaranteed.....			22.40
7028	Special 4-10-1	H. P. Greene, San Diego.....		25.65
	Guaranteed.....			25.80
6675	Special 6-8-1	A. M. Seeley, Covina.....		34.50
6703	Special 6-8-1	Jacob Maechtlen, Covina.....		35.20
	Guaranteed.....			34.60
6984	Special 6-8-1	Mrs. S. F. McDonald, Glendora.....		32.35
6985	Special 6-8-1	Jacob Maechtlen, Covina.....		31.43
	Guaranteed.....			32.80
7029	Superphosphate	H. P. Greene, San Diego.....		15.96
	Guaranteed.....			16.69
6562*	Tankage	Judge Chas. Silent, Glendora.....		45.30
	Guaranteed.....			46.15
6605*	Tankage	E. F. Wilson, Upland.....		43.03
6657*	Tankage	E. F. Wilson, Upland.....		41.07
	Guaranteed.....			40.80
6606*	Tankage	E. F. Wilson, Upland.....		36.24
	Guaranteed.....			43.75
6607*	Tankage	E. F. Wilson, Upland.....		42.15
	Guaranteed.....			41.88
6667*	Tankage	E. F. Wilson, Upland.....		41.34
	Guaranteed.....			41.91
6698*	Tankage	J. J. Baynham, Claremont.....		40.41
	Guaranteed.....			40.43
6759*	Tankage	W. T. Henderson, Riverside.....		38.54
	Guaranteed.....			38.80

*6562—86% fine.

*6657—65% fine.

*6605—65% fine.

*6606—62% fine.

Laboratory No.	PHOSPHORIC ACID				NITROGEN					POTASH		CHLORIN
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From Sulfate	Total	
6676	.....	.....	.....	.....	15.35	.....	.....	.....	15.35	.....	.....	.....
6767	.....	.....	.....	.....	15.10	.....	.....	.....	15.10	.....	.....	.....
6833	.....	.....	.....	.....	15.58	.....	.....	.....	15.58	.....	.....	.....
6833	.....	.....	.....	.....	15.47	.....	.....	.....	15.47	.....	.....	.....
.....	.....	.....	.....	.....	15.00	.....	.....	.....	15.00	.....	.....	.....
6608	.....	.....	10.40	.....	1.19	0.96	3.04	.....	5.19	2.55	2.55	.....
.....	.....	.....	10.00	<i>Bn, Super, G</i>	1.00	1.00	3.00	<i>Bl, Bn, G, T</i>	5.00	2.00	2.00	.....
6706	19.12	1.38	20.50	.....	.....	.....	2.25	.....	2.25	3.10	3.10	.....
.....	.....	.....	20.00	<i>Bn, Super</i>	.....	.....	2.00	<i>Bn</i>	2.00	3.00	3.00	.....
6740	3.58	2.72	6.30	.....	.....	.....	3.84	.....	3.84	1.16	1.16	0.85
.....	4.00	2.00	6.00	<i>Bn, Super, G</i>	.....	.....	4.00	<i>Bl, Bn, G, T, CSM</i>	4.00	1.00	1.00	.....
6872	5.92	4.98	10.90	.....	1.57	.....	2.40	.....	3.97	1.19	1.19	0.67
.....	8.00	2.00	10.00	<i>Bn, Super, G</i>	1.50	.....	2.50	<i>Bl, Bn, G, T</i>	4.00	1.00	1.00	.....
6834	3.80	5.90	9.70	.....	.....	.....	3.05	.....	3.05	0.75	0.75	0.80
.....	5.00	5.00	10.00	<i>Bn, Super, G</i>	.....	.....	3.00	<i>Bl, Bn, G, T</i>	3.00	0.50	0.50	.....
6988	6.84	3.66	10.50	.....	1.37	.....	1.60	.....	2.97	0.65	0.65	0.75
7030	6.38	4.22	10.60	.....	1.59	.....	1.25	.....	2.84	0.68	0.68	0.85
.....	7.50	2.50	10.00	<i>Bn, Super, G</i>	.....	.....	1.50	<i>Bl, Bn, G, T</i>	3.00	0.50	0.50	.....
6741	4.94	2.96	7.90	.....	.....	.....	3.13	.....	3.13	1.76	1.76	0.85
.....	6.00	2.00	8.00	<i>Bn, Super, G</i>	.....	.....	3.00	<i>Bl, Bn, G, T, CSM</i>	3.00	2.00	2.00	.....
7028	6.40	4.20	10.60	.....	1.23	1.54	1.06	.....	3.83	0.92	0.92	.....
.....	7.50	2.50	10.00	<i>Bn, Super, G</i>	1.50	1.50	1.00	<i>Bl, Bn, G, T</i>	4.00	1.00	1.00	.....
6675	.....	.....	7.75	.....	.....	.....	5.99	.....	5.99	.....	1.17	1.45
6703	.....	.....	8.15	.....	.....	.....	6.08	.....	6.08	.....	1.11	1.57
.....	.....	.....	8.00	<i>Bn, G, CSM</i>	.....	.....	6.00	<i>Bl, Bn, G T, CSM</i>	6.00	1.00	1.00	.....
6984	3.63	4.02	7.65	.....	1.82	1.12	2.99	.....	5.93	1.14	1.14	0.80
6985	2.83	5.32	8.15	.....	1.41	1.06	3.08	.....	5.55	1.16	1.16	0.80
.....	4.00	4.00	8.00	<i>Bn, G, Super</i>	2.00	100	3.00	<i>Bl, Bn, G, T</i>	6.00	1.00	1.00	.....
7029	16.98	0.72	17.70	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	17.75	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6562	.....	.....	6.20	.....	.....	.....	9.31	.....	9.31	.....	.....	.....
.....	.....	.....	5.90	.....	.....	.....	9.55	.....	9.55	.....	.....	.....
6605	.....	.....	9.30	.....	.....	.....	8.30	.....	8.30	.....	.....	.....
6657	.....	.....	8.45	.....	.....	.....	7.99	.....	7.99	.....	.....	.....
.....	.....	.....	8.00	.....	.....	.....	8.00	.....	8.00	.....	.....	.....
6606	.....	.....	5.95	.....	.....	.....	7.29	.....	7.29	.....	.....	.....
.....	.....	.....	8.00	.....	.....	.....	8.67	.....	8.67	.....	.....	.....
6607	.....	.....	9.80	.....	.....	.....	8.02	.....	8.02	.....	.....	.....
.....	.....	.....	10.67	.....	.....	.....	7.82	.....	7.82	.....	.....	.....
6667	.....	.....	11.85	.....	.....	.....	7.51	.....	7.51	.....	.....	.....
.....	.....	.....	12.10	.....	.....	.....	7.60	.....	7.60	.....	.....	.....
6698	.....	.....	6.50	.....	.....	.....	8.15	.....	8.15	.....	.....	.....
.....	.....	.....	6.02	.....	.....	.....	8.23	.....	8.23	.....	.....	.....
6759	.....	.....	15.20	.....	.....	.....	6.34	.....	6.34	.....	.....	.....
.....	.....	.....	17.09	.....	.....	.....	6.10	.....	6.10	.....	.....	.....

*6607—78% fine.
*6667—77% fine.

*6698—71% fine.
*6759—81% fine.

NAME AND ADDRESS OF
MANUFACTURER OR DEALER,
AND NAME OF BRAND

FROM WHOM OBTAINED

Lab.
No.

Value
per ton

Armour Fertilizer Works (Continued).

Los Angeles, Cal.

6760*	Tankage	W. T. Henderson, Riverside.....	41.61
	Guaranteed.....		44.77
6761*	Tankage	W. T. Henderson, Riverside.....	41.91
	Guaranteed.....		39.75
6768*	Tankage	Fillmore Citrus Fruit Assn., Fillmore.....	41.80
	Guaranteed.....		42.12
6787*	Tankage	Grant Chapman et al., Covina.....	43.24
6848*	Tankage	John G. Gaylord, Ontario.....	42.46
	Guaranteed.....		42.73
6850*	Tankage	E. F. Wilson, Upland.....	40.92
	Guaranteed.....		40.80
6904*	Tankage	Dr. E. W. Burke, Redlands.....	32.38
	Guaranteed.....		31.55
6952*	Tankage	J. A. Mack, Bloomington.....	39.67
	Guaranteed.....		41.61
6954*	Tankage	J. V. Zimmerman, Rialto.....	39.71
	Guaranteed.....		40.31
6844*	Tankage	E. L. Mathews, et al, Upland.....	
	Sold on Station Analysis.		

**Rogers, Brown & Co.,
Los Angeles, Cal.**

6931	Blood	Monte Vista Assn., Riverside.....	52.76
	Guaranteed.....		62.56
6677*	Fish Meal	H. D. Derwin, Upland.....	48.96
6678*	Fish Meal	H. D. Derwin, Upland.....	49.35
	Guaranteed.....		52.05
7035*	Fish Meal	Indian Hills Citrus Assn., North Pomona.....	52.00
	Guaranteed.....		52.32
7040*	Fish Meal	W. K. Hayes, Los Angeles.....	49.55
	Guaranteed.....		51.68
6709*	Salmon Meal	David Hewes Realty Co., Orange.....	44.23
	Guaranteed.....		45.20
6806*	Tankage	N. B. Hinckley, Bryn Mawr.....	44.68
6883*	Tankage	C. A. Boettger, Redlands.....	45.46
	Guaranteed.....		47.95
7000*	Tankage	West Highland Citrus Assn., West Highland.....	31.02
	Guaranteed.....		33.20
7033*	Tankage	B. L. King, et al, Covina.....	47.45
7052*	Tankage	Geo. W. Richardson, Glendora.....	45.13
	Guaranteed.....		45.10
7055*	Tankage	San Jacinto Packing Co., Arlington.....	48.84
	Guaranteed.....		47.30
6944*	Whale Meat and Bone.....	Santiago Orange Growers' Assn., Orange.....	36.56
	Guaranteed.....		40.80

*6760—75% fine.

*6761—65% fine. Contains hoof.

*6768—67% fine.

*6787—78% fine.

*6848—81% fine.

*6850—59% fine.

*6904—53% fine.

*6952—81% fine.

*6954—68% fine.

*6844—75% fine.

*6677—71% fine.

*6678—72% fine.

Laboratory No.	PHOSPHORIC ACID				NITROGEN					POTASH		CHLORIN
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From Sulfate	Total	
6760	11.35	.....	.....	.....	7.65	.....	7.65	.....	.....	.....
.....	12.67	.....	.....	.....	8.16	.....	8.16	.....	.....	.....
6761	7.95	.....	.....	.....	8.26	.....	8.26	.....	.....	.....
.....	6.50	.....	.....	.....	8.00	.....	8.00	.....	.....	.....
6768	7.60	.....	.....	.....	8.29	.....	8.29	.....	.....	.....
.....	7.87	.....	.....	.....	8.32	.....	8.32	.....	.....	.....
6787	10.80	.....	.....	.....	8.11	.....	8.11	.....	.....	.....
6948	11.50	.....	.....	.....	7.82	.....	7.82	.....	.....	.....
.....	11.70	.....	.....	.....	7.85	.....	7.85	.....	.....	.....
6850	8.55	.....	.....	.....	7.94	.....	7.94	.....	.....	.....
.....	8.00	.....	.....	.....	8.00	.....	8.00	.....	.....	.....
6904	13.00	.....	.....	.....	5.29	.....	5.29	.....	.....	.....
.....	10.50	.....	.....	.....	5.50	.....	5.50	.....	.....	.....
6952	11.60	.....	.....	.....	7.17	.....	7.17	.....	.....	.....
.....	12.30	.....	.....	.....	7.50	.....	7.50	.....	.....	.....
6954	5.50	.....	.....	.....	8.15	.....	8.15	.....	.....	.....
.....	6.04	.....	.....	.....	8.20	.....	8.20	.....	.....	.....
6844	12.20	.....	.....	.....	7.40	.....	7.40	.....	.....	.....
6931	11.47	.....	11.47	.....	.....	.....
.....	13.60	.....	13.60	.....	.....	.....
6677	6.10	.....	.....	.....	9.88	.....	9.88	.....	.....	.....
6678	5.85	.....	.....	.....	10.02	.....	10.02	.....	.....	.....
.....	6.50	.....	.....	.....	10.50	.....	10.50	.....	.....	.....
7035	5.40	.....	.....	.....	10.96	.....	10.96	.....	.....	.....
.....	5.60	.....	.....	.....	11.00	.....	11.00	.....	.....	.....
7040	6.30	.....	.....	.....	10.26	.....	10.26	.....	.....	.....
.....	6.25	.....	.....	.....	10.75	.....	10.75	.....	.....	.....
6709	8.00	.....	.....	.....	8.78	.....	8.78	.....	.....	.....
.....	8.00	.....	.....	.....	9.00	.....	9.00	.....	.....	.....
6806	4.05	.....	.....	.....	9.51	.....	9.51	.....	.....	.....
6883	4.35	.....	.....	.....	9.64	.....	9.64	.....	.....	.....
.....	4.63	.....	.....	.....	10.16	.....	10.16	.....	.....	.....
7000	16.60	.....	.....	.....	4.41	.....	4.41	.....	.....	.....
.....	16.00	.....	.....	.....	5.00	.....	5.00	.....	.....	.....
7033	11.90	.....	.....	.....	8.89	.....	8.89	.....	.....	.....
7052	11.10	.....	.....	.....	8.49	.....	8.49	.....	.....	.....
.....	11.00	.....	.....	.....	8.50	.....	8.50	.....	.....	.....
7055	10.95	.....	.....	.....	8.86	.....	8.86	.....	.....	.....
.....	11.00	.....	.....	.....	8.50	.....	8.50	.....	.....	.....
6944	6.85	.....	.....	.....	7.22	.....	7.22	.....	.....	.....
.....	8.00	.....	.....	.....	8.00	.....	8.00	.....	.....	.....

*7035—58% fine.
*7040—55% fine.
*6709—71% fine.
*6806—76% fine.
*6883—81% fine.

*7000—56% fine.
*7033—75% fine.
*7052—58% fine.
*7055—63% fine.
*6944—56% fine.

NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND		FROM WHOM OBTAINED	Value per ton
Lab. No.			
California Fertilizer Wks., San Francisco, Cal.			
6874	Blood	T. J. Dofflemeyer & Sons, Exeter.....	58.70
	<i>Guaranteed</i>		60.54
6910	Blood	J. M. Thorniley, Los Angeles.....	60.90
	<i>Guaranteed</i>		62.74
6911*	Bone Meal	J. M. Thorniley, Los Angeles.....	33.78
	<i>Guaranteed</i>		35.60
6856*	Tankage	T. K. Vernon, Upland.....	40.27
6863*	Tankage	G. A. Hanson Fruit Co., Upland.....	40.44
	<i>Guaranteed</i>		40.80
Citrus Fertilizer Co., Los Angeles, Cal.			
6597	Doty's Fruiting	E. E. Cole, Redlands.....	23.24
6624	Doty's Fruiting	H. C. Lash, Rialto.....	22.72
6681	Doty's Fruiting	G. R. Tyler, Pomona.....	24.76
6683	Doty's Fruiting	G. R. Tyler, Pomona.....	23.75
6808	Doty's Fruiting	E. E. Cole, Redlands.....	23.85
	<i>Guaranteed</i>		21.90
6598	Doty's Nursery	E. E. Cole, Redlands.....	29.08
6682	Doty's Nursery	G. R. Tyler, Pomona.....	22.54
6684	Doty's Nursery	G. R. Tyler, Pomona.....	29.77
6807	Doty's Nursery	E. E. Cole, Redlands.....	29.19
	<i>Guaranteed</i>		27.70
6625	Doty's Special No. 1.....	H. C. Lash, Rialto.....	21.02
	<i>Guaranteed</i>		20.40
Cudahy Packing Co., Los Angeles, Cal.			
6796	Blood	J. H. Simpson, Covina.....	59.75
6797	Blood	J. H. Simpson, Covina.....	55.43
6888	Blood	Monte Vista Citrus Assn., Riverside.....	59.98
6926	Blood	H. H. Cushman, Covina.....	63.20
6943	Blood	Santiago Orange Growers' Assn., Orange.....	63.62
	<i>Guaranteed</i>		62.10
6727*	Bone Meal	C. L. Nickle, Glendora.....	36.17
	<i>Guaranteed</i>		34.80
6728*	Bone Meal	W. M. Warren, Covina.....	36.35
	<i>Guaranteed</i>		36.10
6986	Cudahy's Special Lawn.....	Aggeler & Musser Seed Co., Los Angeles.....	26.17
	<i>Guaranteed</i>		26.80
7046	Cudahy's Special Lawn.....	Park & Lichty, Pomona.....	32.64
	<i>Guaranteed</i>		28.80
6729*	Tankage "A"	W. M. Warren, Covina.....	42.62
	<i>Guaranteed</i>		44.00
6730*	Tankage "B"	W. M. Warren, Covina.....	41.39
6786*	Tankage "B"	W. B. Glidden, Hollywood.....	39.89
<div> <div>*6911—67% fine.</div> <div>*6856—84% fine.</div> <div>*6863—85% fine.</div> <div>*6727—71% fine.</div> </div> <div> <div>*6728—50% fine.</div> <div>*6729—70% fine.</div> <div>*6730—56% fine.</div> <div>*6786—74% fine.</div> </div>			

Laboratory No.	PHOSPHORIC ACID				NITROGEN					POTASH		CHLORIN
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From Sulfate	Total	
6874	.....	.....	.....	.....	.....	.....	12.76	.....	12.76	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	13.16	.....	13.16	.....	.....	.....
6910	.....	.....	.....	.....	.....	.....	13.24	.....	13.24	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	13.64	.....	13.64	.....	.....	.....
6911	.....	.....	19.10	.....	.....	.....	3.77	.....	3.77	.....	.....	.....
.....	.....	.....	20.00	.....	.....	.....	4.00	.....	4.00	.....	.....	.....
6856	.....	.....	8.50	.....	.....	.....	7.80	.....	7.80	.....	.....	.....
.....	.....	.....	7.55	.....	.....	.....	7.99	.....	7.99	.....	.....	.....
.....	.....	.....	8.00	.....	.....	.....	8.00	.....	8.00	.....	.....	.....
6597	6.77	1.28	8.05	.....	1.66	.....	1.56	.....	3.22	.....	2.82	5.55
6624	6.98	1.32	8.30	.....	1.40	.....	1.59	.....	2.99	.....	2.93	3.90
6681	6.59	1.36	7.95	.....	1.65	.....	1.89	.....	3.54	.....	3.02	1.62
6683	7.31	1.14	8.45	.....	1.29	.....	1.91	.....	3.20	.....	2.84	1.90
6808	6.95	0.90	7.85	.....	1.44	.....	1.81	.....	3.25	.....	3.35	1.75
.....	7.00	.....	7.00	<i>Bn, Super, G, T</i>	1.00	.....	2.00	<i>Bn, G, T</i>	3.00	3.00	3.00	.....
6598	6.31	1.34	8.15	.....	2.69	.....	2.21	.....	4.90	.....	1.80	2.05
6682	7.46	1.14	8.60	.....	1.24	.....	1.52	.....	2.76	.....	3.40	1.87
6684	5.91	2.24	8.15	.....	2.54	.....	2.50	.....	5.04	.....	1.78	2.92
6807	6.22	1.78	8.00	.....	2.40	.....	2.48	.....	4.88	.....	1.96	1.75
.....	6.00	.....	6.00	<i>Bn, Super, G, T</i>	2.00	.....	3.00	<i>Bn, G, T</i>	5.00	1.50	1.50	.....
6625	6.57	1.78	8.35	.....	.....	.....	3.07	.....	3.07	.....	.....	.....
.....	8.00	.....	.....	<i>Bn, Super, G, T</i>	.....	.....	3.00	<i>Bn, G, T</i>	3.00	.....	.....	.....
6796	.....	.....	.....	.....	.....	.....	12.99	.....	12.99	.....	.....	.....
6797	.....	.....	.....	.....	.....	.....	12.05	.....	12.05	.....	.....	.....
6888	.....	.....	.....	.....	.....	.....	13.04	.....	13.04	.....	.....	.....
6926	.....	.....	.....	.....	.....	.....	13.74	.....	13.74	.....	.....	.....
6943	.....	.....	.....	.....	.....	.....	13.83	.....	13.83	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	13.50	.....	13.50	.....	.....	.....
6727	.....	.....	26.30	.....	.....	.....	2.84	.....	2.84	.....	.....	.....
.....	.....	.....	24.00	.....	.....	.....	3.00	.....	3.00	.....	.....	.....
6728	.....	.....	22.10	.....	.....	.....	3.74	.....	3.74	.....	.....	.....
.....	.....	.....	23.00	.....	.....	.....	3.50	.....	3.50	.....	.....	.....
6986	.....	.....	8.05	.....	.....	.....	4.11	.....	4.11	.....	0.84	0.62
.....	.....	.....	8.00	<i>Organic Matter</i>	.....	.....	4.00	.....	4.00	.....	2.00	.....
7046	.....	.....	11.90	.....	.....	.....	4.57	.....	4.57	.....	1.82	1.27
.....	.....	.....	8.00	<i>Organic Matter</i>	.....	.....	4.00	.....	4.00	.....	4.00	.....
6729	.....	.....	7.45	.....	.....	.....	8.50	.....	8.50	.....	.....	.....
.....	.....	.....	11.00	.....	.....	.....	8.25	.....	8.25	.....	.....	.....
6730	.....	.....	6.70	.....	.....	.....	8.34	.....	8.34	.....	.....	.....
6786	.....	.....	8.90	.....	.....	.....	7.65	.....	7.65	.....	.....	.....

NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND		FROM WHOM OBTAINED	Value per ton
Lab. No.			
Cudahy Packing Co. (Continued).			
Los Angeles, Cal.			
6798*	Tankage "B"	S. S. Scofield, Azusa.....	41.59
6887*	Tankage "B"	R. W. Hamlin, Glendora.....	42.03
6890*	Tankage "B"	Placentia Fruit Co., Placentia.....	44.65
6924*	Tankage "B"	H. H. Church, Covina.....	42.51
6925*	Tankage "B"	Brearley Investment Co., Covina.....	42.69
6927*	Tankage "B"	H. H. Cushman, Covina.....	41.55
6928*	Tankage "B"	W. M. Warren, Covina.....	42.39
6929*	Tankage "B"	J. C. Wright, Azusa.....	42.02
6930*	Tankage "B"	Pomona Fruit Growers' Exchange, Pomona....	43.13
6995*	Tankage "B"	J. C. Wright, Azusa.....	44.61
6996*	Tankage "B"	M. T. Durrell, Azusa.....	45.68
6997*	Tankage "B"	M. T. Durrell, Azusa.....	40.14
6999*	Tankage "B"	W. M. Warren, Covina.....	41.47
7037*	Tankage "B"	B. L. King, Covina.....	44.16
7050*	Tankage "B"	Geo. W. Richardson, Glendora.....	41.65
7051*	Tankage "B"	Geo. W. Richardson, Glendora.....	41.48
	<i>Guaranteed</i>		<i>42.25</i>
6989*	Tankage Formula	Aggeler & Musser Seed Co., Los Angeles.....	24.93
	<i>Guaranteed</i>		<i>25.50</i>
Diamond Fertilizer Co.,			
Los Angeles, Cal.			
6568*	Garbage Tankage	Thomas Dugan, Los Angeles.....	
	<i>Guaranteed</i>		
Fruit Growers' Supply Co.,			
Los Angeles, Cal.			
6935*	Tankage	Chas. H. Low, Riverside.....	29.48
6992*	Tankage	Chas. H. Low, Riverside.....	34.11
	<i>Guaranteed</i>		<i>32.09</i>
6991*	Tankage	Dr. G. L. Hutchinson, Los Angeles.....	40.44
7013*	Tankage	Mrs. L. S. Poage, Azusa.....	39.14
	<i>Guaranteed</i>		<i>42.20</i>
7034*	Tankage	Indian Hills Citrus Assn., North Pomona....	39.32
	<i>Guaranteed</i>		<i>39.38</i>
7042*	Tankage	Chas. H. Low, Riverside.....	38.55
	<i>Guaranteed</i>		<i>35.50</i>
7044*	Tankage	A. F. Call Estate, Corona.....	39.23
	<i>Guaranteed</i>		<i>37.23</i>
Germain Seed & Plant Co.,			
Los Angeles, Cal.			
6982*	Nuvida Lawn and Garden.....	Manufacturer's Warehouse	27.53
	<i>Guaranteed</i>		<i>25.40</i>
*6798—83% fine.		*6995—78% fine.	
*6887—60% fine.		*6996—78% fine.	
*6890—79% fine.		*6997—77% fine.	
*6924—77% fine.		*6999—88% fine.	
*6925—80% fine.		*7037—73% fine.	
*6927—83% fine.		*7050—78% fine.	
*6928—81% fine.		*7051—76% fine.	
*6929—63% fine.		*6989—79% fine.	
*6930—75% fine.			

Laboratory No.	PHOSPHORIC ACID				NITROGEN					POTASH		CHLORIN
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From Sulfate	Total	
6798	8.25	.....	.....	.....	8.14	.....	8.14	.....	.....	.....
6887	6.05	.....	.....	.....	8.59	.....	8.59	.....	.....	.....
6890	9.10	.....	.....	.....	8.70	.....	8.70	.....	.....	.....
6924	7.80	.....	.....	.....	8.42	.....	8.42	.....	.....	.....
6925	10.20	.....	.....	.....	8.08	.....	8.08	.....	.....	.....
6927	9.95	.....	.....	.....	7.86	.....	7.86	.....	.....	.....
6928	7.75	.....	.....	.....	8.40	.....	8.40	.....	.....	.....
6929	6.35	.....	.....	.....	8.54	.....	8.54	.....	.....	.....
6930	9.75	.....	.....	.....	8.25	.....	8.25	.....	.....	.....
6995	7.85	.....	.....	.....	8.89	.....	8.89	.....	.....	.....
6996	6.80	.....	.....	.....	9.30	.....	9.30	.....	.....	.....
6997	9.25	.....	.....	.....	7.65	.....	7.65	.....	.....	.....
6999	13.55	.....	.....	.....	7.27	.....	7.27	.....	.....	.....
7037	7.90	.....	.....	.....	8.78	.....	8.78	.....	.....	.....
7050	9.15	.....	.....	.....	8.01	.....	8.01	.....	.....	.....
7051	8.60	.....	.....	.....	8.06	.....	8.06	.....	.....	.....
.....	8.50	.....	.....	.....	8.25	.....	8.25	.....	.....	.....
6989	7.70	.....	.....	.....	4.44	.....	4.44	.....	.....	.....
.....	5.00	.....	.....	.....	5.00	.....	5.00	.....	.....	.....
6568	2.45	.....	.....	.....	3.20	.....	3.20	.....	1.36	1.97
.....	3.00	.....	.....	.....	3.00	.....	3.00	.....	1.00	.....
6935	7.10	.....	.....	.....	5.57	.....	5.57	.....	.....	.....
6992	8.75	.....	.....	.....	6.36	.....	6.36	.....	.....	.....
.....	8.00	.....	.....	.....	6.00	.....	6.00	.....	.....	.....
6991	13.65	.....	.....	.....	7.02	.....	7.02	.....	.....	.....
7013	12.85	.....	.....	.....	6.85	.....	6.85	.....	.....	.....
.....	10.00	.....	.....	.....	8.00	.....	8.00	.....	.....	.....
7034	11.60	.....	.....	.....	7.09	.....	7.09	.....	.....	.....
.....	13.28	.....	.....	.....	6.95	.....	6.95	.....	.....	.....
7042	12.10	.....	.....	.....	6.79	.....	6.79	.....	.....	.....
.....	13.00	.....	.....	.....	6.00	.....	6.00	.....	.....	.....
7044	11.60	.....	.....	.....	7.07	.....	7.07	.....	.....	.....
.....	11.90	.....	.....	.....	6.58	.....	6.58	.....	.....	.....
6982	8.42	1.58	10.00	.....	2.03	.....	2.47	.....	4.50	.....	.....	.....
.....	7.00	3.00	10.00	.....	2.00	.....	2.00	<i>Bl</i>	4.00	.....	.....	.....

*6568—25% fine.

*6935—86% fine.

*6992—78% fine.

*6991—80% fine.

*7013—79% fine.

In absence of market quotations no prices are given on Garbage Tankage.

*7034—80% fine.

*7042—78% fine.

*7044—81% fine.

*6982—Nitrogen given as nitric is guaranteed from cyanamid.

	NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND		FROM WHOM OBTAINED	Value per ton
Lab. No.				
	General Fertilizer Assn., San Bernardino, Cal.			
6649	Blood	B. L. Byer, Upland.....		61.32
	<i>Guaranteed</i>			59.80
6565	G. F. A. Special.....	A. C. Denman & Sons, Redlands.....		25.58
6723	G. F. A. Special.....	Mrs. Amy Broadfield, Rialto.....		20.73
	<i>Guaranteed</i>			24.15
6799	G. F. A. Special.....	W. F. Grow, Highland.....		33.91
	<i>Guaranteed</i>			35.30
6794	G. F. A. No. 5.....	W. F. Grow, Highland.....		31.65
	<i>Guaranteed</i>			33.10
6687	Lawn and Rose.....	T. A. Blakeley, San Bernardino.....		18.50
	<i>Guaranteed</i>			19.60
6556	Nitrate of Lime.....	E. B. Chapin, Ontario.....		44.57
	<i>Guaranteed</i>			42.94
6805	Nitrate of Soda.....	J. Henry Reynolds, Redlands.....		56.66
	<i>Guaranteed</i>			57.00
6686*	Special Mixed	N. L. Mitchell, Ontario.....		25.93
	<i>Guaranteed</i>			24.12
6895*	Special Mixed	D. B. Lee, Ontario.....		34.26
	<i>Guaranteed</i>			35.19
7001*	Special Mixture	L. V. W. Brown, Riverside.....		24.80
	<i>Guaranteed</i>			24.60
6559*	Tankage	G. T. Henslee, Highland.....		35.77
	<i>Guaranteed</i>			43.75
6685*	Tankage	N. L. Mitchell, Ontario.....		34.03
	<i>Guaranteed</i>			35.22
6557*	Tankage and Bone.....	H. L. Salisbury, Alta Loma.....		20.82
	<i>Guaranteed</i>			19.80
	Globe Grain & Milling Co., Los Angeles, Cal.			
6917	Bat Guano	Jerome Reynolds, et al, Covina.....		57.05
	<i>Guaranteed</i>			52.45
6981	Bat Guano	Manufacturer's Warehouse		57.09
	<i>Guaranteed</i>			59.67
6814	Blood	Warehouse at Colton.....		58.88
	<i>Guaranteed</i>			59.80
6854	Blood	G. A. Hanson Fruit Co., Upland.....		62.70
	<i>Guaranteed</i>			67.16
6970	Blood	Manufacturer's Warehouse		62.10
	<i>Guaranteed</i>			62.10
6968*	Bone Meal Raw.....	Manufacturer's Warehouse		38.96
	<i>Guaranteed</i>			31.72
6879*	Bone Meal Steamed.....	Globe Mills, Fullerton.....		37.10
6969*	Bone Meal Steamed.....	Manufacturer's Warehouse		38.25
	<i>Guaranteed</i>			34.80
6965	Cotton Seed Meal.....	Manufacturer's Warehouse		27.50
	<i>Guaranteed</i>			26.40
6964*	Fish Meal	Manufacturer's Warehouse		42.92
	<i>Guaranteed</i>			45.20

*6686—No statement of derivation. In violation of California Fertilizer Act.

*6895—66% fine.

*6559—77% fine.

*7001—65% fine.

*6685—71% fine.

*6557—52% fine as tankage. Apparently contains some garbage tankage.

Laboratory No.	PHOSPHORIC ACID				NITROGEN					POTASH		CHLORIN
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From Sulfate	Total	
6649	13.33	.....	13.33	.....	.....	.....
.....	13.00	.....	13.00	.....	.....	.....
6565	11.30	.....	0.94	.....	2.49	.....	3.43	0.88	0.88	.....
6723	10.05	.....	1.08	.....	1.43	.....	2.51	1.29	1.29	.....
.....	12.00	Bn, G	1.00	.....	2.00	Bl, Bn, G	3.00	.....	0.75	.....
6799	11.90	.....	.....	.....	4.60	.....	4.60	2.04	2.04	.....
.....	12.00	Bn, G	.....	.....	5.00	Bl, Bn, G	5.00	.....	1.50	.....
6794	6.91	6.94	13.85	.....	0.39	.....	3.55	.....	3.94	.....	2.08	.....
.....	6.00	6.00	12.00	Bn, G	2.00	.....	3.00	Bl, Bn, G	5.00	.....	1.50	.....
6687	3.37	4.18	7.55	.....	1.27	.....	1.29	.....	2.56	.....	1.20	.....
.....	4.00	4.00	8.00	Bn, G	1.00	.....	1.50	Bl, Bn, G	2.50	.....	2.00	.....
6556	11.73	.....	.....	.....	11.73	.....	.....	.....
.....	11.30	.....	.....	.....	11.30	.....	.....	.....
6805	14.91	.....	.....	.....	14.91	.....	.....	.....
.....	15.00	.....	.....	.....	15.00	.....	.....	.....
6686	2.95	.....	1.66	.....	3.26	.....	4.92	.....	2.62	1.05
.....	2.60	.....	1.50	.....	3.20	.....	4.70	.....	2.00	.....
6895	6.95	.....	.....	.....	6.68	.....	6.68	.....	.....	.....
.....	6.90	Bn, T	.....	.....	6.90	Bl, Bn, T	6.90	.....	.....	.....
7001	10.60	.....	.....	.....	3.95	.....	3.95	.....	.....	.....
.....	10.00	Bl, Bn, T	.....	.....	4.00	Bl, Bn, T	4.00	.....	.....	.....
6559	7.85	.....	.....	.....	6.88	.....	6.88	.....	.....	.....
.....	9.70	.....	.....	.....	8.40	.....	8.40	.....	.....	.....
6685	9.95	.....	.....	.....	6.15	.....	6.15	.....	.....	.....
.....	10.40	.....	.....	.....	6.35	.....	6.35	.....	.....	.....
6557	8.00	.....	.....	.....	3.24	.....	3.24	.....	0.96	1.00
.....	8.00	.....	.....	.....	3.00	.....	3.00	.....	1.00	.....
6917	3.00	.....	.....	1.87	11.35	.....	13.22	.....	1.59	.....
.....	3.26	.....	.....	.....	11.92	.....	11.92	.....	1.31	.....
6981	3.90	.....	0.62	2.85	8.71	.....	12.18	.....	2.07	.....
.....	4.00	.....	.....	.....	12.27	.....	12.27	.....	2.08	.....
6814	12.80	.....	12.80	.....	.....	.....
.....	13.00	.....	13.00	.....	.....	.....
6854	13.63	.....	13.63	.....	.....	.....
.....	14.60	.....	14.60	.....	.....	.....
6970	13.50	.....	13.50	.....	.....	.....
.....	13.50	.....	13.50	.....	.....	.....
6968	23.20	.....	.....	.....	4.11	.....	4.11	.....	.....	.....
.....	21.80	.....	.....	.....	2.75	.....	2.75	.....	.....	.....
6879	24.80	.....	.....	.....	3.36	.....	3.36	.....	.....	.....
6969	24.90	.....	.....	.....	3.60	.....	3.60	.....	.....	.....
.....	24.00	.....	.....	.....	3.00	.....	3.00	.....	.....	.....
6965	2.90	.....	.....	.....	6.25	.....	6.25	.....	1.67	.....
.....	3.00	.....	.....	.....	6.00	.....	6.00	.....	1.50	.....
6964	9.40	.....	.....	.....	8.26	.....	8.26	.....	.....	.....
.....	8.00	.....	.....	.....	9.00	.....	9.00	.....	.....	.....

*6968—47% fine.
*6879—55% fine.

*6969—58% fine.
*6964—61% fine.

NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND		FROM WHOM OBTAINED	
Lab. No.			Value per ton
Globe Grain & Milling Co. (Continued).			
Los Angeles, Cal.			
6967*	Fish Meal	Manufacturer's Warehouse	43.98
	Guaranteed.....		42.65
6972*	Garbage Tankage	Manufacturer's Warehouse	
	Guaranteed.....		
6921	Globe Special	L. H. Root, Covina.....	27.32
6966	Globe Special	Manufacturer's Warehouse	27.36
	Guaranteed.....		28.10
6980	Sulfate of Ammonia.....	Manufacturer's Warehouse	78.36
	Guaranteed.....		77.90
6880	Superphosphate	Globe Mills, Fullerton.....	16.47
	Guaranteed.....		15.98
6861	Superphosphate	G. A. Hanson Fruit Co., Upland.....	16.94
	Guaranteed.....		16.45
6731*	Tankage	G. W. Lindsay, Chino.....	41.50
6862*	Tankage	G. A. Hanson Fruit Co., Upland.....	44.01
	Guaranteed.....		42.25
6855*	Tankage		33.31
	Guaranteed.....		32.70
6881*	Tankage	Globe Mills, Fullerton.....	33.94
	Guaranteed.....		34.52
6971*	Tankage	Manufacturer's Warehouse	37.72
	Guaranteed.....		37.70
6979*	Tankage	Manufacturer's Warehouse	33.85
	Guaranteed.....		32.70
Hauser Packing Co.,			
Los Angeles, Cal.			
6726	Blood	W. H. Wiley, Glendora.....	63.76
6946	Blood	E. D. Barry, Los Angeles.....	62.84
	Guaranteed.....		63.94
6831	Blood	E. N. Nahmens, Redlands.....	64.86
	Guaranteed.....		66.38
6907*	Bone Meal	H. C. Meek, Upland.....	35.18
	Guaranteed.....		34.80
7045*	Bone Meal	Geo. W. Fuhr, Azusa.....	39.49
	Guaranteed.....		37.50
6711	Special Mixture	W. M. Baird, Duarte.....	25.24
	Guaranteed.....		23.80
6990*	Special Mixture	H. C. Meek, Upland.....	45.71
	Guaranteed.....		46.80
7015	Special Mixture	Geo. W. Fuhr, Azusa.....	28.24
	Guaranteed.....		28.60
6553*	Tankage	J. M. Riley Fruit Co., Covina.....	48.70
6906*	Tankage	H. C. Meek, Upland.....	43.05
6913*	Tankage	W. H. Wiley, Glendora.....	45.27
6914*	Tankage Big Gun.....	Mrs. J. M. Riley, Los Angeles.....	44.95
6940*	Tankage Big Gun.....	R. T. Nelson, Upland.....	43.54

*6967—82% fine.

*6862—81% fine.

*6972—66% fine. In absence of
market quotations no prices are given
on Garbage Tankage.

*6855—70% fine.

*6881—53% fine.

*6971—76% fine.

*6731—79% fine.

*6979—77% fine.

Laboratory No.	PHOSPHORIC ACID				NITROGEN					POTASH		
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From Sulfate	Total	CHLORIN
6967	10.85	.....	.....	.....	8.27	.....	8.27	.....	.....	.....
.....	7.50	.....	.....	.....	8.50	.....	8.50	.....	.....	.....
6972	2.45	.....	.....	.....	3.29	.....	3.29	.....	1.34	1.37
.....	2.50	.....	.....	.....	2.75	.....	2.75	.....	1.25	.....
6921	8.80	1.40	10.20	.....	2.17	0.88	1.11	.....	4.16	.....	1.67	0.87
6966	8.99	1.26	10.25	.....	1.97	0.85	1.31	.....	4.13	.....	1.65	0.65
.....	10.00	Bat G, Bn, Super, T	.....	.....	4.00	Bat G, Bl, Bn, T	4.00	.....	1.50	.....
6980	20.62	.....	.....	20.62	.....	.....	.....
.....	20.50	.....	.....	20.50	.....	.....	.....
6880	17.52	0.28	17.80	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	17.00	1.00	18.00	.....	.....	.....	.....	.....	.....	.....	.....	.....
6861	18.02	0.38	18.40	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	17.50	0.35	17.85	.....	.....	.....	.....	.....	.....	.....	.....	.....
6731	8.05	.....	.....	.....	8.15	.....	8.15	.....	.....	.....
6862	7.55	.....	.....	.....	8.80	.....	8.80	.....	.....	.....
.....	8.50	.....	.....	.....	8.25	.....	8.25	.....	.....	.....
6855	17.60	.....	.....	.....	4.77	.....	4.77	.....	.....	.....
.....	20.00	.....	.....	.....	4.25	.....	4.25	.....	.....	.....
6881	18.00	.....	.....	.....	4.85	.....	4.85	.....	.....	.....
.....	18.57	.....	.....	.....	4.89	.....	4.89	.....	.....	.....
6971	12.15	.....	.....	.....	6.64	.....	6.64	.....	.....	.....
.....	13.00	.....	.....	.....	6.50	.....	6.50	.....	.....	.....
6979	17.30	.....	.....	.....	4.94	.....	4.94	.....	.....	.....
.....	20.00	.....	.....	.....	4.25	.....	4.25	.....	.....	.....
6726	13.86	.....	13.86	.....	.....	.....
6946	13.66	.....	13.66	.....	.....	.....
.....	13.90	.....	13.90	.....	.....	.....
6831	14.10	.....	14.10	.....	.....	.....
.....	14.43	.....	14.43	.....	.....	.....
6907	25.60	.....	.....	.....	2.76	.....	2.76	.....	.....	.....
.....	24.00	.....	.....	.....	3.00	.....	3.00	.....	.....	.....
7045	27.60	.....	.....	.....	3.33	.....	3.33	.....	.....	.....
.....	27.00	.....	.....	.....	3.00	.....	3.00	.....	.....	.....
6711	17.50	.....	.....	.....	1.93	.....	1.93	1.00	1.00	.....
.....	18.00	Bn, T	.....	.....	1.50	Bl, Bn, T	1.50	1.00	1.00	.....
6990	5.65	.....	.....	.....	9.49	.....	9.49	.....	.....	.....
.....	4.00	Bn, T	.....	.....	10.00	Bl, Bn, T	10.00	.....	.....	.....
7015	9.80	.....	.....	.....	4.07	.....	4.07	1.51	1.51	0.70
.....	10.00	Bn, T	.....	.....	4.00	Bl, Bn, T	4.00	2.00	2.00	.....
6553	4.20	.....	.....	.....	10.40	.....	10.40	.....	.....	.....
6906	5.50	.....	.....	.....	8.91	.....	8.91	.....	.....	.....
6913	6.40	.....	.....	.....	9.27	.....	9.27	.....	.....	.....
6914	6.45	.....	.....	.....	9.19	.....	9.19	.....	.....	.....
6940	6.45	.....	.....	.....	8.87	.....	8.87	.....	.....	.....

*6907—57% fine.

*7045—56% fine.

*6990—66% fine.

*6553—72% fine.

*6906—62% fine.

*6913—66% fine.

*6914—65% fine.

*6940—65% fine.

NAME AND ADDRESS OF
MANUFACTURER OR DEALER,
AND NAME OF BRAND

FROM WHOM OBTAINED

Lab.
No.Value
per ton**Hauser Packing Co. (Continued).****Los Angeles, Cal.**

6945*	Tankage Big Gun.....	Harry Damerl, et al, Covina.....	43.36
6949*	Tankage	F. L. Hepner, Covina.....	42.54
7016	Tankage	R. T. Nelson, Upland.....	44.41
7049*	Tankage	R. T. Nelson, Upland.....	45.16
	Guaranteed.....		46.80
6832*	Tankage	E. N. Nahmens, Redlands.....	40.20
6869*	Tankage	West Highland Citrus Assn., Highland.....	39.75
6908*	Tankage	B. W. Holden, et al, Upland.....	38.73
6912*	Tankage	W. R. Eichhoff, Azusa.....	40.28
6957*	Tankage	W. J. Worsham, San Dimas.....	40.44
6974*	Tankage	H. T. Himrod, Pomona.....	37.73
6975*	Tankage	C. F. Lawrence, Pomona.....	36.16
6977*	Tankage	W. B. Bayless, Los Angeles.....	37.92
7014*	Tankage	Geo. W. Fuhr, Azusa.....	39.33
	Guaranteed.....		40.80
6958*	Tankage	L. H. Bixby, Lordsburg	38.22
	Guaranteed.....		39.20

**Hawaiian Fertilizer Co.,
Ltd., San Francisco, Cal.**

7039	Bone Tankage	D. C. Tyler, Highland.....	33.94
	Guaranteed.....		33.00

**Mountain Copper Co.,
San Francisco, Cal.**

6773	Mixed 3-10-2	Union Commission Co., Santa Barbara.....	23.75
	Guaranteed.....		23.23
7054	Superphosphate	J. B. Bryan, Lemon Grove.....	17.43
	Guaranteed.....		16.69

**Pacific Bone Coal & Fer-
tilizing Co., San Fran-
cisco, Cal.**

6747	Blood	G. G. Riley, Rialto.....	59.34
	Guaranteed.....		62.84
6793	Blood	J. H. Simpson, Covina.....	60.44
	Guaranteed.....		65.23
6795	Blood	W. M. Warren, Covina.....	61.00
	Guaranteed.....		61.55
6567*	Bone Meal	Monte Vista Citrus Assn., Riverside.....	36.01
6724*	Bone Meal	A. L. Wright, Jr., Los Angeles.....	37.18
6781*	Bone Meal	Duffill & Haskell, Los Angeles.....	37.58
	Guaranteed.....		34.80
6620*	Bone Meal	Bloomington Fruit Assn., Bloomington.....	38.47
	Guaranteed.....		37.41

*6945—68% fine.

*6949—65% fine.

*7016—65% fine.

*7049—71% fine.

*6832—64% fine.

*6869—61% fine.

*6908—67% fine.

*6912—68% fine.

Laboratory No.	PHOSPHORIC ACID				NITROGEN					POTASH		CHLORIN
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From Sulfate	Total	
6945	6.50	.....	.....	.....	8.82	.....	8.82	.....	.....	.....
6949	6.90	.....	.....	.....	8.57	.....	8.57	.....	.....	.....
7016	6.30	.....	.....	.....	9.09	.....	9.09	.....	.....	.....
7049	5.30	.....	.....	.....	9.42	.....	9.42	.....	.....	.....
.....	4.00	.....	.....	.....	10.00	.....	10.00	.....	.....	.....
6832	8.90	.....	.....	.....	7.72	.....	7.72	.....	.....	.....
6869	7.50	.....	.....	.....	7.84	.....	7.84	.....	.....	.....
6908	9.00	.....	.....	.....	7.37	.....	7.37	.....	.....	.....
6912	8.70	.....	.....	.....	7.77	.....	7.77	.....	.....	.....
6957	8.80	.....	.....	.....	7.79	.....	7.79	.....	.....	.....
6974	7.95	.....	.....	.....	7.31	.....	7.31	.....	.....	.....
6975	7.85	.....	.....	.....	6.97	.....	6.97	.....	.....	.....
6977	8.10	.....	.....	.....	7.33	.....	7.33	.....	.....	.....
7014	7.60	.....	.....	.....	7.73	.....	7.73	.....	.....	.....
.....	8.00	.....	.....	.....	8.00	.....	8.00	.....	.....	.....
6958	11.35	.....	.....	.....	6.88	.....	6.88	.....	.....	.....
.....	12.00	.....	.....	.....	7.00	.....	7.00	.....	.....	.....
7039	18.50	.....	.....	.....	4.77	.....	4.77	.....	.....	.....
.....	22.00	Bn, Super, T	.....	.....	4.00	Bl, Bn, G, T	4.00	.....	.....	.....
6773	9.52	0.48	10.00	.....	2.10	.....	1.10	.....	3.20	1.93	1.93	0.75
.....	10.00	0.25	10.25	Phosphate of Lime	2.00	.....	1.00	Bl	3.00	2.00	2.00	.....
7054	18.54	0.36	18.90	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	17.75	0.25	18.00	.....	.....	.....	.....	.....	.....	.....	.....	.....
6747	12.90	.....	12.90	.....	.....	.....
.....	13.66	.....	13.66	.....	.....	.....
6793	13.14	.....	13.14	.....	.....	.....
.....	14.18	.....	14.18	.....	.....	.....
6795	13.26	.....	13.26	.....	.....	.....
.....	13.38	.....	13.38	.....	.....	.....
6567	25.30	.....	.....	.....	3.01	.....	3.01	.....	.....	.....
6724	24.40	.....	.....	.....	3.46	.....	3.46	.....	.....	.....
6781	24.20	.....	.....	.....	3.59	.....	3.59	.....	.....	.....
.....	24.00	.....	.....	.....	3.00	.....	3.00	.....	.....	.....
6620	22.90	.....	.....	.....	4.06	.....	4.06	.....	.....	.....
.....	22.50	.....	.....	.....	3.90	.....	3.90	.....	.....	.....

*6957—73% fine.
*6974—66% fine. Sample perhaps
not representative.
*6975—63% fine. Sample perhaps
not representative.
*6977—58% fine.

*7014—79% fine.
*6958—78% fine.
*6567—64% fine.
*6724—51% fine.
*6781—61% fine.
*6620—60% fine.

NAME AND ADDRESS OF
MANUFACTURER OR DEALER,
AND NAME OF BRAND

FROM WHOM OBTAINED

Value
per ton

Lab. No.			
Pacific Bone, Coal & Fertilizing Co. (Continued).			
San Francisco, Cal.			
6725*	Tankage, Bone	G. I. Lytle, Covina.....	20.94
6750*	Tankage, Bone	W. C. Barnes, Rialto.....	22.33
	Guaranteed.....		20.00
6752*	Tankage	G. G. Wyllie, Rialto.....	39.37
	Guaranteed.....		40.00
6746	Nitrate of Soda.....	G. G. Wyllie, Rialto.....	57.72
	Guaranteed.....		57.00
6718*	Salmon Scrap	Chas. H. Low, Riverside.....	47.27
	Guaranteed.....		45.65
6585*	Special, Sulfate of Ammonia and Bone Meal.....	A. F. Call Estate, Corona.....	71.92
6766*	Special, Sulfate of Ammonia and Bone Meal.....	Fillmore Citrus Fruit Assn., Fillmore.....	72.50
6780*	Special, Sulfate of Ammonia and Bone Meal.....	Duffill & Haskell, Los Angeles.....	72.73
	Guaranteed.....		73.10
6892	Steamed Bone Meal and Sul- fate of Ammonia.....	R. E. Williams, San Bernardino.....	43.01
6960	Steamed Bone Meal and Sul- fate of Ammonia.....	Mrs. Detwiler, Sr., Alta Loma.....	42.68
	Guaranteed.....		40.50
6893	Steamed Bone Meal and Sul- fate of Ammonia.....	A. L. Wright, Los Angeles.....	50.22
6916	Steamed Bone Meal and Sul- fate of Ammonia.....	W. M. Baird, Duarte.....	50.96
6956	Steamed Bone Meal and Sul- fate of Ammonia.....	C. E. McLaughlin, Rialto.....	50.55
6959	Steamed Bone Meal and Sul- fate of Ammonia.....	W. M. Baird, Duarte.....	50.93
	Guaranteed.....		51.80
3894	Steamed Bone Meal and Sul- fate of Ammonia.....	A. L. Wright, Los Angeles.....	48.92
	Guaranteed.....		46.00
5670	Special No. 567.....	W. B. Glidden, Hollywood.....	25.08
	Guaranteed.....		24.20
6769	Sulfate of Ammonia.....	Teague-McKevett Co., Santa Paula.....	79.04
6936	Sulfate of Ammonia.....	A. F. Call Estate, Corona.....	77.90
6938	Sulfate of Ammonia.....	W. H. Jameson, Corona.....	77.98
6939	Sulfate of Ammonia.....	W. H. Jameson, Corona.....	77.67
	Guaranteed.....		77.90
7019	Superphosphate	J. T. Bryan, Lemon Grove.....	15.98
	Guaranteed.....		16.69
6751*	Tankage	G. G. Wyllie, Rialto.....	42.62
6853*	Tankage	Rialto Orange Co., Rialto.....	41.42
	Guaranteed.....		42.20
6884*	Tankage	C. A. Boettger, Redlands.....	39.15
	Guaranteed.....		40.02

*6725—91% fine.

*6750—85% fine.

*6752—75% fine.

*6718—62% fine.

*6585—Sample damp and decom-
posing.

*6766—Sample losing ammonia.

*6780—Sample losing ammonia.

*6751—87% fine.

*6853—83% fine.

*6884—74% fine.

Laboratory No.	PHOSPHORIC ACID				NITROGEN					POTASH		CHLORIN
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From Sulfate	Total	
6725	16.40	.....	.....	.....	2.15	.....	2.15	.....	.....	.....
6750	17.50	.....	.....	.....	2.29	.....	2.29	.....	.....	.....
.....	16.00	.....	.....	.....	2.00	.....	2.00	.....	.....	.....
6752	19.50	.....	.....	.....	4.96	.....	4.96	.....	.....	.....
.....	20.00	.....	.....	.....	5.00	.....	5.00	.....	.....	.....
6746	15.19	.....	.....	.....	15.19	.....	.....	.....
.....	15.00	.....	.....	.....	15.00	.....	.....	.....
6718	5.55	.....	.....	.....	9.86	.....	9.86	.....	.....	.....
.....	5.50	.....	.....	.....	9.75	.....	9.75	.....	.....	.....
6585	2.10	.....	.....	18.43	.....	.....	18.43	.....	.....	.....
6766	1.35	.....	.....	18.41	0.35	.....	18.76	.....	.....	.....
6780	2.45	.....	.....	18.26	0.30	.....	18.56	.....	.....	.....
.....	1.00	.....	.....	19.00	.....	.....	19.00	.....	.....	.....
6892	19.60	.....	.....	3.63	2.63	.....	6.26	.....	.....	.....
6960	19.80	.....	.....	3.16	2.92	.....	6.08	.....	.....	.....
.....	18.00	.....	.....	3.50	2.50	.....	6.00	.....	.....	.....
6893	13.50	.....	.....	7.76	1.95	.....	9.71	.....	.....	.....
6916	13.45	.....	.....	7.63	2.24	.....	9.87	.....	.....	.....
6956	14.15	.....	.....	7.15	2.42	.....	9.57	.....	.....	.....
6959	14.55	.....	.....	7.20	2.38	.....	9.58	.....	.....	.....
.....	14.00	.....	.....	8.00	2.00	.....	10.00	.....	.....	.....
6894	16.10	.....	.....	6.19	2.48	.....	8.67	.....	.....	.....
.....	16.00	.....	.....	6.00	2.00	.....	8.00	.....	.....	.....
6670	10.80	.....	.....	.....	3.05	.....	3.05	1.94	1.94	0.72
.....	10.00	Bn, T	.....	.....	3.00	Bl, Bn, T	3.00	2.00	2.00	.....
6769	20.80	.....	.....	20.80	.....	.....	.....
6936	20.50	.....	.....	20.50	.....	.....	.....
6938	20.52	.....	.....	20.52	.....	.....	.....
6939	20.44	.....	.....	20.44	.....	.....	.....
.....	20.50	.....	.....	20.50	.....	.....	.....
7019	17.00	0.30	17.30	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	17.75	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6751	9.15	.....	.....	.....	8.23	.....	8.23	.....	.....	.....
6853	9.20	.....	.....	.....	7.95	.....	7.95	.....	.....	.....
.....	10.00	.....	.....	.....	8.00	.....	8.00	.....	.....	.....
6884	10.30	.....	.....	.....	7.26	.....	7.26	.....	.....	.....
.....	10.65	.....	.....	.....	7.40	.....	7.40	.....	.....	.....

NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND		FROM WHOM OBTAINED	Value per ton
Lab. No.			
Pacific Bone, Coal & Fertilizer Co. (Continued).			
San Francisco, Cal.			
6898*	Tankage	Mrs. O. F. Wright, Azusa.....	45.60
6900*	Tankage	I. W. Haskell, Azusa.....	46.20
6950*	Tankage	Claremont Citrus Assn., Claremont.....	45.09
7041*	Tankage	Claremont Citrus Assn., Claremont.....	44.80
	<i>Guaranteed</i>		47.32
6955*	Tankage	C. E. McLaughlin, Rialto.....	41.34
	<i>Guaranteed</i>		40.80
7002*	Tankage	P. A. Demens, Alta Loma.....	34.33
	<i>Guaranteed</i>		32.50
Pacific Guano & Fertilizer Co., San Francisco, Cal.			
6743	Blood	Harry Scott, Rialto.....	64.26
	<i>Guaranteed</i>		63.02
6775	Blood	Frank Ford, et al, Pomona.....	61.18
	<i>Guaranteed</i>		59.80
6867	Blood	J. D. Boley, et al, Highland.....	60.54
	<i>Guaranteed</i>		60.26
6998	Blood	J. R. Elliott, Covina.....	61.78
	<i>Guaranteed</i>		61.96
6708*	Bone Meal	G. H. Wheeler, Rialto.....	32.96
	<i>Guaranteed</i>		32.50
6744*	Bone Meal	Harry Scott, Rialto.....	39.97
	<i>Guaranteed</i>		39.64
6868*	Bone Meal	J. D. Boley, et al, Highland.....	39.94
	<i>Guaranteed</i>		37.40
6690	Chapman's Fall Application.....	H. Latimer, Ontario.....	32.21
6809	Chapman's Fall Application.....	Miss Dora Conkling, Redlands.....	31.59
	<i>Guaranteed</i>		31.50
6976*	Fish Crackling	C. E. McLaughlin, Rialto.....	47.04
	<i>Guaranteed</i>		48.00
7036	Gaviota Special	Mrs. M. F. Ellis, Pomona.....	31.33
	<i>Guaranteed</i>		28.85
6745	Special	Harry Scott, Rialto.....	21.44
	<i>Guaranteed</i>		21.50
6810	Special	A. G. Johnson, Redlands.....	24.83
	<i>Guaranteed</i>		24.70
6811	Special	A. G. Johnson, Redlands.....	15.94
	<i>Guaranteed</i>		15.93
6812	Special	A. G. Johnson, Redlands.....	27.64
6865	Special	Hugh Latimer, Arlington.....	28.75
6886	Special	Hugh Latimer, Arlington.....	27.88
	<i>Guaranteed</i>		28.22
6866	Special	Kankel & Latimer, Upland.....	30.35
	<i>Guaranteed</i>		29.80

*6898—77% fine.

*6900—81% fine.

*6950—81% fine.

*7041—79% fine.

*6955—81% fine.

*7002—81% fine.

*6708—98% fine.

*6744—50% fine.

*6868—44% fine.

*6976—85% fine.

Laboratory No.	PHOSPHORIC ACID				NITROGEN					POTASH		CHLORIN
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From Sulfate	Total	
6898	6.05	.....	.....	.....	9.40	.....	9.40	.....	.....	.....
6900	5.40	.....	.....	.....	9.64	.....	9.64	.....	.....	.....
6950	5.70	.....	.....	.....	9.34	.....	9.34	.....	.....	.....
7041	5.75	.....	.....	2.22	7.35	.....	9.57	.....	.....	.....
.....	5.50	.....	.....	.....	9.88	.....	9.88	.....	.....	.....
6955	7.45	.....	.....	.....	8.21	.....	8.21	.....	.....	.....
.....	8.00	.....	.....	.....	8.00	.....	8.00	.....	.....	.....
7002	14.10	.....	.....	.....	5.56	.....	5.56	.....	.....	.....
.....	15.00	.....	.....	.....	5.00	.....	5.00	.....	.....	.....
6743	13.97	.....	13.97	.....	.....	.....
.....	13.70	.....	13.70	.....	.....	.....
6775	13.30	.....	13.30	.....	.....	.....
.....	13.00	.....	13.00	.....	.....	.....
6867	13.16	.....	13.16	.....	.....	.....
.....	13.10	.....	13.10	.....	.....	.....
6998	13.43	.....	13.43	.....	.....	.....
.....	13.47	.....	13.47	.....	.....	.....
6708	33.00	.....	.....	.....	0.74	.....	0.74	.....	.....	.....
.....	32.05	.....	.....	.....	0.83	.....	0.83	.....	.....	.....
6744	18.60	.....	.....	.....	5.28	.....	5.28	.....	.....	.....
.....	19.80	.....	.....	.....	4.96	.....	4.96	.....	.....	.....
6868	23.50	.....	.....	.....	4.27	.....	4.27	.....	.....	.....
.....	22.00	.....	.....	.....	4.00	.....	4.00	.....	.....	.....
6690	17.60	.....	.....	.....	1.03	.....	1.03	11.84	11.84	1.12
6809	17.80	.....	.....	.....	0.85	.....	0.85	11.83	11.83	1.17
.....	18.00	Bn, Super	.....	.....	0.75	Bn	0.75	12.00	12.00	.....
6976	5.60	.....	.....	.....	9.80	.....	9.80	.....	.....	.....
.....	5.71	.....	.....	.....	10.00	.....	10.00	.....	.....	.....
7036	9.19	1.96	11.15	.....	2.39	.....	2.47	.....	4.86	1.34	1.34	0.70
.....	10.50	Bn, Super	1.50	.....	3.00	Fs, G	4.50	0.50	0.50	.....
6745	7.90	.....	1.54	.....	1.47	.....	3.01	2.01	2.01	0.80
.....	8.00	Bn, Super, G	1.50	.....	1.50	Bl, Bn, Fs, G, T	3.00	2.00	2.00	.....
6810	9.90	.....	0.69	.....	1.97	.....	2.66	4.63	4.63	0.82
.....	10.00	Bn, Super, G	0.50	.....	2.00	Bl, Bn, Fs, G, T	2.50	5.00	5.00	.....
6811	8.85	.....	.....	.....	0.85	.....	0.85	.....	4.23	1.05
.....	8.75	Bn, Super	.....	.....	0.75	Bn, T	0.75	4.75	4.75	.....
6812	6.61	3.84	10.45	.....	2.34	.....	1.45	.....	3.79	.....	2.96	1.12
6865	10.50	.....	2.65	.....	1.37	.....	4.02	3.20	3.20	0.92
6886	7.55	2.90	10.45	.....	2.66	.....	1.21	.....	3.87	.....	3.04	1.15
.....	10.00	Bn, Super, G	2.30	.....	1.70	Bn, G	4.00	3.00	3.00	.....
6866	10.75	.....	1.11	1.17	2.73	.....	5.01	.....	.....	.....
.....	10.00	Bn, Super, G	1.00	1.00	3.00	Bl, Bn, Fs, G, T	5.00	.....	.....	.....

NAME AND ADDRESS OF
MANUFACTURER OR DEALER,
AND NAME OF BRAND

FROM WHOM OBTAINED

Lab. No.		Value per ton
Pacific Guano & Fertilizer Co. (Continued).		
San Francisco, Cal.		
7047	Special E. F. Struve, Pomona.....	25.54
	<i>Guaranteed</i>	23.70
6951	Sulfate of Ammonia..... Claremont Citrus Assn., Claremont.....	77.52
	<i>Guaranteed</i>	78.13
6789*	Tankage H. M. Bradley, Riverside.....	35.29
	<i>Guaranteed</i>	35.08
6790*	Tankage H. M. Bradley, Riverside.....	35.67
6791*	Tankage H. M. Bradley, Riverside.....	35.79
	<i>Guaranteed</i>	34.77

**Pacific Reduction Co.,
Los Angeles, Cal.**

6704*	Garbage Tankage A. B. White, Los Angeles.....	
	<i>Guaranteed</i>	
6737*	Organic Tankage W. R. Slater, Ontario.....	
	<i>Guaranteed</i>	
6764*	Organic Tankage G. I. Lytle, Covina.....	
	<i>Guaranteed</i>	

**San Antonio Meat Co.,
Pomona, Cal.**

6705*	Tankage A. L. Wright, Pomona.....	
	Sold on Station Analysis.	

**Southern California Fertil-
izer Co., Los Angeles, Cal.**

6885*	Garbage Tankage Mrs. James Fleming, San Bernardino.....	
6891*	Garbage Tankage B. S. Casey, Rialto.....	
6903*	Garbage Tankage J. H. Strait, Redlands.....	
6919*	Garbage Tankage G. W. Duley, Upland.....	
6942*	Garbage Tankage E. A. Zumbro, Riverside.....	
7007*	Garbage Tankage W. H. Jameson, Corona.....	
7008*	Garbage Tankage W. H. Jameson, Corona.....	
	<i>Guaranteed</i>	
6905*	Garbage Tankage C. J. Barnes, Redlands.....	
	<i>Guaranteed</i>	
6937*	Garbage Tankage A. F. Call Estate, Corona.....	
7009*	Garbage Tankage A. F. Call Estate, Corona.....	
7010*	Garbage Tankage A. F. Call Estate, Corona.....	
7011*	Garbage Tankage A. F. Call Estate, Corona.....	
7012*	Garbage Tankage A. F. Call Estate, Corona.....	
7020*	Garbage Tankage A. F. Call Estate, Corona.....	
	<i>Guaranteed</i>	

*6789—91% fine.

*6790—89% fine.

*6791—93% fine.

*6704—33% fine. These goods bore no tags. In violation of the California Fertilizer Act.

In absence of market quotations, no prices are given on Garbage Tankage.

*6737—31% fine. In absence of market quotations, no prices are given on Garbage Tankage.

*6764—66% fine. In absence of market quotations, no prices are given on Garbage Tankage.

*6705—82% fine.

*6885—36% fine. In absence of market quotations, no prices are given on Garbage Tankage.

*6891—36% fine. In absence of market quotations, no prices are given on Garbage Tankage.

*6903—39% fine. In absence of market quotations, no prices are given on Garbage Tankage.

*6919—32% fine. In absence of market quotations, no prices are given on Garbage Tankage.

Laboratory No.	PHOSPHORIC ACID				NITROGEN					POTASH		CHLORIN
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From Sulfate	Total	
7047	6.71	4.94	11.65	.....	.....	.....	2.36	.....	2.36	.....	4.67	1.27
.....	11.00	Bn, Super, G	.....	.....	200	Bl, Bn, Fs, G, T	2.00	5.00	5.00	.....
6951	20.40	.....	.....	20.40	.....	.....	.....
.....	20.56	.....	.....	20.56	.....	.....	.....
6789	19.30	.....	.....	.....	4.95	.....	4.95	.....	.....	.....
.....	18.12	.....	.....	.....	5.09	.....	5.09	.....	.....	.....
6790	19.90	.....	.....	.....	4.94	.....	4.94	.....	.....	.....
6791	20.20	.....	.....	.....	4.92	.....	4.92	.....	.....	.....
.....	19.50	.....	.....	.....	4.80	.....	4.80	.....	.....	.....
6704	2.40	.....	.....	.....	3.02	.....	3.02	.....	1.59	1.52
.....	3.00	.....	.....	.....	3.00	.....	3.00	.....	1.00	.....
6737	2.40	.....	.....	.....	2.84	.....	2.84	.....	1.43	1.15
.....	2.75	Garbage	.....	.....	3.00	Garbage	3.00	.....	1.25	.....
6764	2.55	.....	.....	.....	3.01	.....	3.01	.....	1.42	1.17
.....	3.00	Garbage	.....	.....	2.75	Garbage	2.75	.....	1.25	.....
6705	6.55	.....	.....	.....	9.32	.....	9.32	.....	.....	.....
6885	2.80	.....	.....	.....	2.90	.....	2.90	.....	1.18	1.15
6891	3.10	.....	.....	.....	3.04	.....	3.04	.....	1.18	1.75
6903	2.55	.....	.....	.....	2.98	.....	2.98	.....	1.25	1.32
6919	2.10	.....	.....	.....	2.94	.....	2.94	.....	1.40	1.37
6942	2.35	.....	.....	.....	2.98	.....	2.98	.....	1.18	1.35
7007	3.15	.....	.....	.....	3.08	.....	3.08	.....	1.02	1.35
7008	2.80	.....	.....	.....	3.01	.....	3.01	.....	1.23	1.32
.....	2.25	.....	.....	.....	2.75	.....	2.75	.....	1.25	.....
6905	3.00	.....	.....	.....	3.09	.....	3.09	.....	1.35	1.20
.....	2.25	.....	.....	.....	3.00	.....	3.00	.....	1.25	.....
6937	1.80	.....	.....	.....	2.93	.....	2.93	.....	1.33	1.25
7009	2.35	.....	.....	.....	3.04	.....	3.04	.....	1.26	1.52
7010	2.15	.....	.....	.....	2.85	.....	2.85	.....	1.25	1.47
7011	2.30	.....	.....	.....	2.76	.....	2.76	.....	1.18	1.27
7012	2.15	.....	.....	.....	2.70	.....	2.70	.....	1.24	1.37
7020	2.45	.....	.....	.....	2.98	.....	2.98	.....	1.19	1.37
.....	2.50	.....	.....	.....	3.00	.....	3.00	.....	1.00	.....

*6942—39% fine. In absence of market quotations, no prices are given on Garbage Tankage.
*7007—45% fine. In absence of market quotations, no prices are given on Garbage Tankage.
*7008—44% fine. In absence of market quotations, no prices are given on Garbage Tankage.
*6905—36% fine. In absence of market quotations, no prices are given on Garbage Tankage.
*6937—33% fine. In absence of market quotations, no prices are given on Garbage Tankage.
*7009—44% fine. In absence of market quotations, no prices are given on Garbage Tankage.
*7010—43% fine. In absence of market quotations, no prices are given on Garbage Tankage.
*7011—45% fine. In absence of market quotations, no prices are given on Garbage Tankage.
*7012—43% fine. In absence of market quotations, no prices are given on Garbage Tankage.
*7020—46% fine. In absence of market quotations, no prices are given on Garbage Tankage.

NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND		FROM WHOM OBTAINED	Value per ton
Lab. No.			
Standard Fertilizer Co., Los Angeles, Cal.			
6963*	Fish Factory		47.68
	Guaranteed.....		43.80
6961*	..... Factory		25.82
	Guaranteed.....		15.80
6962*	..... Factory		40.97
	Guaranteed.....		40.80
6978*	..... Factory		15.32
	Guaranteed.....		16.73
Swift & Co., Chicago, Ill.			
6785*	Tankage Indian Hill Citrus Assn., North Pomona.....		40.22
	Guaranteed.....		46.04
Union Superphosphate Co., San Francisco, Cal.			
6779	Superphosphate Sparr Fruit Co., Fillmore.....		17.63
	Guaranteed.....		15.98
Western Fertilizer Co., San Francisco, Cal.			
6669	Wizard C. H. Nearpass, San Diego.....		36.17
	Guaranteed.....		35.90
Western Meat Company, San Francisco, Cal.			
6599	Blood, Diamond H..... J. H. Reynolds, Redlands.....		63.94
	Guaranteed.....		66.01
6612	Blood, Diamond H..... B. L. Byer, Upland.....		66.19
6653	Blood, Diamond H..... B. L. Byer, Upland.....		63.30
	Guaranteed.....		64.40
6619	Blood, Diamond H..... J. H. Reynolds, Redlands		63.89
	Guaranteed.....		63.16
6628	Blood, Diamond H..... B. L. Byer, Upland.....		56.67
	Guaranteed.....		55.20
6646	Blood, Diamond H..... B. L. Byer, Upland.....		65.41
	Guaranteed.....		66.19
6735	Blood, Diamond H..... E. L. Koethen, Riverside.....		63.94
	Guaranteed.....		62.97
6800	Blood, Diamond H..... J. H. Reynolds, Redlands.....		62.70
	Guaranteed.....		63.71
6801	Blood, Diamond H..... J. H. Reynolds, Redlands.....		62.70
	Guaranteed.....		61.36
6802	Blood, Diamond H..... J. H. Reynolds, Redlands.....		62.47
	Guaranteed.....		62.74
6821	Blood B. L. Byer, Upland.....		62.84
	Guaranteed.....		64.45
6822	Blood B. L. Byer, Upland.....		62.88
	Guaranteed.....		64.17
6823	Blood B. L. Byer, Upland.....		61.96
	Guaranteed.....		62.47

*6963—49% fine.

*6961—70% fine. No statement of derivation, no brand name. In violation of California Fertilizer Act.

Laboratory No.	PHOSPHORIC ACID				NITROGEN					POTASH		CHLORIN
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From Sulfate	Total	
6963	6.95	.....	.....	.....	9.73	.....	9.73	.....	.....	.....
.....	6.00	.....	.....	.....	9.00	.....	9.00	.....	.....	.....
6961	9.60	.....	.....	.....	4.34	.....	4.34	.....	.....	.....
.....	10.00	.....	.....	.....	2.00	.....	2.00	.....	.....	.....
6962	8.30	.....	.....	.....	7.99	.....	7.99	.....	.....	.....
.....	8.00	.....	.....	.....	8.00	.....	8.00	.....	.....	.....
6978	15.06	1.24	16.30	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	17.80	.....	.....	.....	.....	.....	.....	.....	.....	.....
6785	11.20	.....	.....	.....	7.36	.....	7.36	.....	.....	.....
.....	10.65	.....	.....	.....	8.77	.....	8.77	.....	.....	.....
6779	18.76	0.34	19.10	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	17.00	1.00	18.00	.....	.....	.....	.....	.....	.....	.....	.....	.....
6669	8.70	1.20	9.90	.....	6.02	.....	.....	.....	6.02	4.38	4.38	0.67
.....	9.00	.....	9.00	<i>Super</i>	6.00	.....	.....	.....	6.00	5.00	5.00	.....
6599	13.90	.....	13.90	.....	.....	.....
.....	14.35	.....	14.35	.....	.....	.....
6612	14.39	.....	14.39	.....	.....	.....
6653	13.76	.....	13.76	.....	.....	.....
.....	14.00	.....	14.00	.....	.....	.....
6619	13.89	.....	13.89	.....	.....	.....
.....	13.73	.....	13.73	.....	.....	.....
6628	12.32	.....	12.32	.....	.....	.....
.....	12.00	.....	12.00	.....	.....	.....
6646	14.22	.....	14.22	.....	.....	.....
.....	14.39	.....	14.39	.....	.....	.....
6735	13.90	.....	13.90	.....	.....	.....
.....	13.69	.....	13.69	.....	.....	.....
6800	13.63	.....	13.63	.....	.....	.....
.....	13.85	.....	13.85	.....	.....	.....
6801	13.63	.....	13.63	.....	.....	.....
.....	13.34	.....	13.34	.....	.....	.....
6802	13.58	.....	13.58	.....	.....	.....
.....	13.64	.....	13.64	.....	.....	.....
6821	13.66	.....	13.66	.....	.....	.....
.....	14.01	.....	14.01	.....	.....	.....
6822	13.67	.....	13.67	.....	.....	.....
.....	13.95	.....	13.95	.....	.....	.....
6823	13.47	.....	13.47	.....	.....	.....
.....	13.58	.....	13.58	.....	.....	.....

*6962—67% fine. No statement of derivation, no brand name. In violation of California Fertilizer Act.

*6978—No statement of derivation, no brand name. In violation of California Fertilizer Act.

*6785—78% fine.

	NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND		FROM WHOM OBTAINED	
Lab. No.				Value per ton
	Western Meat Co. (Continued). San Francisco, Cal.			
6824	Blood	B. L. Byer, Upland.....		56.17
	Guaranteed.....			57.96
6889	Blood	Placentia Fruit Co., Placentia.....		62.74
	Guaranteed.....			64.31
6897	Blood	J. S. Grepe, East Highlands.....		61.41
	Guaranteed.....			62.10
6920	Blood	G. D. Tangeman, et al, San Dimas.....		64.49
	Guaranteed.....			66.19
6603*	Bone Meal, Diamond G.....	J. H. Reynolds, Redlands.....		36.94
6630*	Bone Meal, Diamond G.....	B. L. Byer, Upland.....		37.46
	Guaranteed.....			36.79
6613*	Bone Meal, Diamond G.....	B. L. Byer, Upland.....		33.95
6734*	Bone Meal, Diamond G.....	E. L. Koethen, Riverside.....		34.70
	Guaranteed.....			33.10
6601*	Bone Meal, Special.....	J. H. Reynolds, Redlands.....		32.22
	Guaranteed.....			34.72
6629	Diamond A	B. L. Byer, Upland.....		22.85
	Guaranteed.....			22.45
6602	Diamond D	J. H. Reynolds, Redlands.....		29.70
	Guaranteed.....			28.00
6820	Nitrate of Soda.....	B. L. Byer, Upland.....		57.08
6932	Nitrate of Soda.....	Albers Olive Oil Co., Elsinore.....		57.49
	Guaranteed.....			57.00
6611	Special	P. A. Demens, Alta Loma.....		28.13
6636	Special	B. L. Byer, Upland.....		29.25
6758	Special	Anaheim Citrus Fruit Assn., Anaheim.....		28.06
6934	Special	Albers Olive Oil Co., Elsinore.....		27.34
7018	Special	El Dorado Potato Growers' Assn., Placerville.....		31.72
7056	Special	Burdett K. Marvin, Riverside.....		31.51
	Guaranteed.....			28.60
6633*	Special	B. L. Byer, Upland.....		35.61
	Guaranteed.....			34.72
6634	Special	B. L. Byer, Upland.....		37.13
	Guaranteed.....			35.60
6635	Special	B. L. Byer, Upland.....		30.94
	Guaranteed.....			31.20
6647*	Special G	B. L. Byer, Upland.....		34.13
	Guaranteed.....			32.56
6650*	Special	B. L. Byer, Upland.....		37.79
	Guaranteed.....			38.30
6771	Special	Johnson Fruit Co., Santa Barbara.....		29.51
	Guaranteed.....			28.54

*6603—67% fine.

*6630—66% fine.

*6613—76% fine.

*6734—78% fine.

*6601—50% fine.

*6633—62% fine.

*6647—75% fine as bone.

*6650—80% fine as tankage.

Laboratory No.	PHOSPHORIC ACID				NITROGEN					POTASH		CHLORIN
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From Sulfate	Total	
6824	12.21	.....	12.21	.....	.....	.....
.....	12.60	.....	12.60	.....	.....	.....
6889	13.64	.....	13.64	.....	.....	.....
.....	13.98	.....	13.98	.....	.....	.....
6897	13.35	.....	13.35	.....	.....	.....
.....	13.50	.....	13.50	.....	.....	.....
6920	14.02	.....	14.02	.....	.....	.....
.....	14.39	.....	14.39	.....	.....	.....
6603	27.60	.....	.....	.....	2.75	.....	2.75	.....	.....	.....
6630	27.30	.....	.....	.....	2.93	.....	2.93	.....	.....	.....
.....	26.70	.....	.....	.....	2.90	.....	2.90	.....	.....	.....
6613	29.90	.....	.....	.....	1.60	.....	1.60	.....	.....	.....
6734	29.80	.....	.....	.....	1.79	.....	1.79	.....	.....	.....
.....	27.00	.....	.....	.....	2.00	.....	2.00	.....	.....	.....
6601	20.50	.....	.....	.....	3.13	.....	3.13	.....	.....	.....
.....	20.00	.....	.....	.....	3.80	.....	3.80	.....	.....	.....
6629	6.75	6.80	13.55	.....	.....	.....	1.96	.....	1.96	.....	2.03	1.20
.....	12.00	1.50	13.50	Bn, Super	.....	.....	2.00	Animal Matter	2.00	1.50	1.50	.....
6602	4.58	6.12	10.70	.....	0.93	.....	3.24	.....	4.17	.....	2.28	1.25
.....	8.00	2.00	10.00	Bn, Super	1.00	.....	3.00	Animal Matter	4.00	2.00	2.00	.....
6820	15.02	.....	.....	.....	15.02	.....	.....	.....
6932	15.13	.....	.....	.....	15.13	.....	.....	.....
.....	15.00	.....	.....	.....	15.00	.....	.....	.....
6611	9.80	.....	.....	.....	3.89	.....	3.89	2.19	2.19	0.90
6636	10.30	.....	.....	.....	4.05	.....	4.05	.....	2.16	2.45
6758	9.85	.....	.....	.....	3.76	.....	3.76	.....	2.65	1.40
6934	9.95	.....	.....	.....	3.68	.....	3.68	.....	2.19	1.12
7018	6.14	1.76	7.90	.....	1.94	.....	2.11	.....	4.05	7.95	7.95	0.75
7056	6.43	4.07	10.50	.....	.....	.....	.....	.....	4.46	.....	2.44	1.27
.....	10.00	Bn	.....	.....	4.00	.....	4.00	2.00	2.00	.....
6633	20.40	.....	.....	.....	3.92	.....	3.92	.....	.....	.....
.....	20.00	Bn	.....	.....	3.80	Animal Matter	3.80	.....	.....	.....
6634	8.55	.....	.....	.....	6.15	.....	6.15	.....	2.37	2.85
.....	8.00	Bn	.....	.....	6.00	Animal Matter	6.00	2.00	2.00	.....
6635	8.85	.....	.....	.....	4.70	.....	4.70	2.29	2.29	0.95
.....	8.00	.....	.....	.....	5.00	Animal Matter	5.00	2.00	2.00	.....
6647	34.40	.....	.....	.....	0.72	.....	0.72	.....	.....	.....
.....	33.00	Bn	.....	.....	0.65	Animal Matter	0.65	.....	.....	.....
6650	16.90	.....	.....	.....	5.90	.....	5.90	.....	.....	.....
.....	17.00	Bn	.....	.....	6.00	Animal Matter	6.00	.....	.....	.....
6771	11.60	.....	.....	.....	3.99	.....	3.99	1.51	1.51	0.82
.....	10.00	Bn	.....	.....	4.10	Animal Matter	4.10	1.50	1.50	.....

NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND		FROM WHOM OBTAINED	
Lab. No.			Value per ton
Western Meat Co. (Continued). San Francisco, Cal.			
7021	Special	W. D. Richards, Corona.....	39.06
	Guaranteed.....		39.35
6819	Sulfate of Ammonia.....	B. L. Byer, Upland.....	76.61
	Guaranteed.....		76.76
6902	Sulfate of Ammonia.....	B. L. Byer, Upland.....	77.98
7058	Sulfate of Ammonia.....	A. F. Call Estate, Corona.....	78.66
	Guaranteed.....		77.90
6654	Superphosphate	B. L. Byer, Upland.....	16.88
	Guaranteed.....		16.92
6563*	Tankage	H. D. Derwin, Upland.....	45.58
6564*	Tankage	H. D. Derwin, Upland.....	46.35
	Guaranteed.....		44.50
6600*	Tankage	J. H. Reynolds, Redlands.....	40.19
	Guaranteed.....		41.10
6614*	Tankage	B. L. Byer, Upland.....	45.17
	Guaranteed.....		42.51
6617*	Tankage	J. H. Reynolds, Redlands.....	45.40
	Guaranteed.....		44.68
6618*	Tankage	J. H. Reynolds, Redlands.....	44.80
	Guaranteed.....		43.03
6631*	Tankage	B. L. Byer, Upland.....	32.48
	Guaranteed.....		32.89
6632*	Tankage	B. L. Byer, Upland.....	47.31
	Guaranteed.....		45.65
6648*	Tankage	B. L. Byer, Upland.....	45.83
6732*	Tankage	E. L. Koethen, Riverside.....	45.96
	Guaranteed.....		45.19
6651*	Tankage	B. L. Byer, Upland.....	46.36
	Guaranteed.....		44.55
6733*	Tankage	E. L. Koethen, Riverside.....	47.39
	Guaranteed.....		45.65
6803*	Tankage	J. H. Reynolds, Redlands.....	42.07
	Guaranteed.....		43.25
6804*	Tankage	J. H. Reynolds, Redlands.....	42.08
	Guaranteed.....		41.19
6815*	Tankage	B. L. Byer, Upland.....	40.41
6933*	Tankage	Albers Olive Oil Co., Elsinore.....	37.99
6948*	Tankage	W. J. Chauncey, Claremont.....	39.63
	Guaranteed.....		40.80
6816*	Tankage	B. L. Byer, Upland.....	36.38
	Guaranteed.....		37.89
6817*	Tankage	B. L. Byer, Upland.....	48.25
	Guaranteed.....		46.22
6818*	Tankage	B. L. Byer, Upland.....	40.82
6870*	Tankage	Joseph Cleghorn, Highland.....	38.21
6882*	Tankage	William Cleghorn, Highland.....	38.12
6901*	Tankage	F. G. Bush, Ontario.....	37.89
	Guaranteed.....		37.80

*6563—71% fine.

*6564—71% fine.

*6600—73% fine.

*6614—86% fine.

*6617—80% fine.

*6618—85% fine.

*6631—60% fine.

*6632—67% fine.

*6648—79% fine.

*6732—78% fine.

*6651—81% fine.

*6733—81% fine.

*6803—79% fine.

*6804—79% fine.

*6815—66% fine.

Laboratory No.	PHOSPHORIC ACID				NITROGEN					POTASH		CHLORIN
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From Sulfate	Total	
7021	6.16	4.54	10.70	.....	1.55	.....	5.35	.....	6.90	.....	.....	.....
.....	10.50	<i>Bn, Super</i>	1.50	.....	5.50	<i>Animal Matter</i>	7.00	.....	.....	.....
6819	20.16	.....	.....	20.16	.....	.....	.....
.....	20.20	.....	.....	20.20	.....	.....	.....
6902	20.52	.....	.....	20.52	.....	.....	.....
7058	20.70	.....	.....	20.70	.....	.....	.....
.....	20.50	.....	.....	20.50	.....	.....	.....
6654	17.96	0.34	18.30	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	18.00	.....	.....	.....	.....	.....	.....	.....	.....	.....
6563	6.65	.....	.....	.....	9.30	.....	9.30	.....	.....	.....
6564	7.25	.....	.....	.....	9.38	.....	9.38	.....	.....	.....
.....	7.00	.....	.....	.....	9.00	.....	9.00	.....	.....	.....
6600	10.40	.....	.....	.....	7.48	.....	7.48	.....	.....	.....
.....	11.25	.....	.....	.....	7.55	.....	7.55	.....	.....	.....
6614	8.65	.....	.....	.....	8.89	.....	8.89	.....	.....	.....
.....	8.50	.....	.....	.....	8.31	.....	8.31	.....	.....	.....
6617	8.60	.....	.....	.....	8.95	.....	8.95	.....	.....	.....
.....	7.20	.....	.....	.....	9.01	.....	9.01	.....	.....	.....
6618	9.00	.....	.....	.....	8.75	.....	8.75	.....	.....	.....
.....	8.80	.....	.....	.....	8.38	.....	8.38	.....	.....	.....
6631	16.85	.....	.....	.....	4.70	.....	4.70	.....	.....	.....
.....	14.80	.....	.....	.....	5.12	.....	5.12	.....	.....	.....
6632	6.05	.....	.....	.....	9.79	.....	9.79	.....	.....	.....
.....	5.50	.....	.....	.....	9.50	.....	9.50	.....	.....	.....
6648	7.70	.....	.....	.....	9.19	.....	9.19	.....	.....	.....
6732	7.45	.....	.....	.....	9.26	.....	9.26	.....	.....	.....
.....	7.35	.....	.....	.....	9.10	.....	9.10	.....	.....	.....
6651	7.20	.....	.....	.....	9.39	.....	9.39	.....	.....	.....
.....	5.50	.....	.....	.....	9.25	.....	9.25	.....	.....	.....
6733	5.60	.....	.....	.....	9.88	.....	9.88	.....	.....	.....
.....	5.50	.....	.....	.....	9.50	.....	9.50	.....	.....	.....
6803	11.20	.....	.....	.....	7.78	.....	7.78	.....	.....	.....
.....	11.50	.....	.....	.....	8.00	.....	8.00	.....	.....	.....
6804	11.40	.....	.....	.....	7.75	.....	7.75	.....	.....	.....
.....	11.70	.....	.....	.....	7.50	.....	7.50	.....	.....	.....
6815	8.70	.....	.....	.....	7.80	.....	7.80	.....	.....	.....
6933	7.95	.....	.....	.....	7.37	.....	7.37	.....	.....	.....
6948	8.90	.....	.....	.....	7.59	.....	7.59	.....	.....	.....
.....	8.00	.....	.....	.....	8.00	.....	8.00	.....	.....	.....
6816	13.25	.....	.....	.....	6.16	.....	6.16	.....	.....	.....
.....	13.39	.....	.....	.....	6.48	.....	6.48	.....	.....	.....
6817	6.20	.....	.....	.....	9.98	.....	9.98	.....	.....	.....
.....	6.00	.....	.....	.....	9.55	.....	9.55	.....	.....	.....
6818	9.10	.....	.....	.....	7.83	.....	7.83	.....	.....	.....
6870	11.40	.....	.....	.....	6.87	.....	6.87	.....	.....	.....
6882	9.45	.....	.....	.....	7.16	.....	7.16	.....	.....	.....
6901	10.50	.....	.....	.....	6.94	.....	6.94	.....	.....	.....
.....	10.00	.....	.....	.....	7.00	.....	7.00	.....	.....	.....

*6933—76% fine.
*6948—73% fine.
*6816—82% fine.
*6817—80% fine.

*6818—72% fine.
*6870—70% fine.
*6882—77% fine.
*6901—56% fine.

Lab. No.	NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND		FROM WHOM OBTAINED	Value per ton
	Western Meat Co. (Continued). San Francisco, Cal.			
6830*	Tankage	B. L. Byer, Upland.....		44.82
	Guaranteed.....			46.22
6871*	Tankage, Diamond I.....	F. D. Parker, San Fernando.....		32.55
6987*	Tankage, Diamond I.....	R. H. Gibson, San Fernando.....		33.68
	Guaranteed.....			33.17
6878*	Tankage	Benchley Fruit Co., Fullerton.....		40.21
	Guaranteed.....			40.03
	Wilson & Co., Successors to Pacific Coast Beef & Provision Co.			
6774	Special Lawn	Geo. Schornick, Los Angeles.....		28.81
	Guaranteed.....			27.15
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	*6830—66% fine.			
	*6871—77% fine.			
	*6987—80% fine.			
	*6878—78% fine.			

Laboratory No.	PHOSPHORIC ACID				NITROGEN					(POTASH)		CHLORIN
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From Sulfate	Total	
6830	.....	.....	10.35	.....	.....	.....	8.54	.....	8.54	.....	.....	.....
.....	.....	.....	6.00	.....	.....	.....	9.55	.....	9.55	.....	.....	.....
6871	.....	.....	14.75	.....	.....	.....	5.05	.....	5.05	.....	.....	.....
6987	.....	.....	14.30	.....	.....	.....	5.38	.....	5.38	.....	.....	.....
.....	.....	.....	13.75	.....	.....	.....	5.35	.....	5.35	.....	.....	.....
6878	.....	.....	10.55	.....	.....	.....	7.46	.....	7.46	.....	.....	.....
.....	.....	.....	11.30	.....	.....	.....	7.30	.....	7.30	.....	.....	.....
6774	2.18	4.72	6.90	.....	.....	.....	4.72	.....	4.72	.....	1.83	1.67
.....	3.50	.....	3.50	<i>Bn, Super, T</i>	.....	.....	5.00	<i>Bl, Bn, G, T</i>	5.00	2.00	2.00	.....

REPORT OF ANALYSIS

Available phosphoric acid is not determined in bone, meal, tankage, and Thomas phosphate powder, unless requested. The fineness of these materials is determined, fine and medium bone being separated by a sieve of 50 meshes to the inch; tankage by a 25-mesh sieve; and Thomas phosphate powder by a 100-mesh sieve.

Nitrogen in ammonium salts will, in some cases, be found reported when nitrogen in this form is not guaranteed. In some of such cases this form of nitrogen is produced by conversion of organic nitrogen during process of manufacture, and is not to be considered a deviation from guaranty of materials used. Guanos carry more or less nitrogen in nitrates and ammonium salts, and when any appreciable quantity of guano is used the manufacturer should take into account the fact that some nitrogen will show as nitrates and ammonium salts. The failure to take this into consideration may account for the appearance of these forms of nitrogen in some samples in which only organic nitrogen was guaranteed.

The percentage of chlorin is given when it exceeds 0.50 per cent. It is a matter of only technical interest whether chlorin present is from muriate of potash, kainit, or from common salt that may be in some of the materials used. If a manufacturer uses sulfate of potash and a tankage with it containing a large amount of chlorin, from a practical standpoint he has changed the quality of his fertilizer just as much as if he had used muriate of potash instead of sulfate of potash. Chlorin from all other sources is as objectionable as from muriate of potash. However, if muriate of potash is found when sulfate is guaranteed, the fact will be published.

The following abbreviations are used in the tables: BatG = bat guano, Bl = blood, Bn = bone, Fs = fish, G = guano, H = hoof, Min. Phos. = mineral phosphate, Super = superphosphates, T = tankage, CSM = cotton seed meal.

Guarantees are entered in italics. Deficiencies greater than allowed by law are entered in bold face type.